



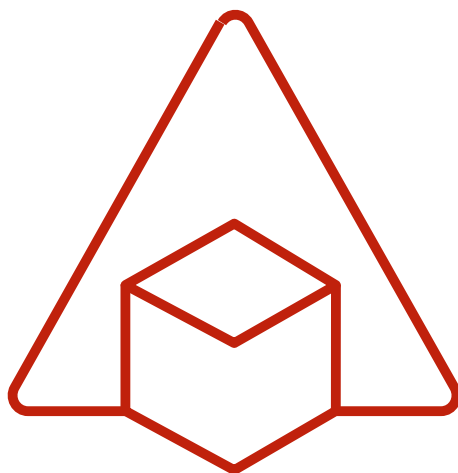
General Catalog

10th EDITION



www.azichem.com





General Catalog

10th EDITION

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RAW MATERIALS

An expert selection of sources, with automated dosing from silos to the mixing centre. In total coherence with the quality system, the selection of raw materials for packaging Azichem products consists of several extremely rigorous stages.

THE PRODUCTION HUB

Attention and care of the productive environment efficiency, hygiene and cleanliness. Automation, precision and adaptability are the keywords that characterise Azichem's production centre, designed to meet the various needs of customers operating on construction sites and who can thus be faced with the need for particularly swift supplies, for both extensive and limited quantities of products. o reducidas.



LOGISTICS

Programming, coordination and careful management of shipping. The qualification and professionalism of operators, carefully dimensioned and planned stocks, accurate and personalised order management, swift and punctual deliveries—these are the canons defined and fully respected by Azichem in the context of this strategic activity, with real "Logistics Engineering in Production".

THE MANAGMENT OFFICES

Functionality, aesthetics and comfort. Equipped with the most advanced technologies in the management of a company, the offices of the commercial, technical and administrative management have been designed and organized for maximum living comfort. A large and functional meeting room is continuously used as a study center for teaching and training activities.





QUALITY CONTROL

Improvement, constant research and innovation. Azichem monitors the quality of its products both through the in-house laboratory and via a coordinated and constant collaboration with highly-qualified external laboratories. Quality management, in accordance with the ISO 9001:2015 standard, is monitored and certified by INTERTEK, a world-renowned certification body.

CONTINUOUS TRAINING

Ensure the correct and most effective use of the products. The professional training and refresher courses, frequently scheduled by Azichem's technical and sales bodies, constitute both a need and an opportunity to deepen the knowledge of the company's internal and external operators.



CLOSE TO THE CUSTOMER

In the office, on the network, on the construction site, anywhere. Azichem's experienced staff, completely dedicated to customer needs, can be consulted quickly and effectively. The corporate website www.azichem.com is a modern, complete and incredibly effective tool. In addition to this, to better "deepen knowledge", other "12 thematic websites" have also been designed and created, which extensively describe Azichem's most representative products and technologies.



11 REPAR

Structural thixotropic cementitious skim coats and mortars plus complementary products for restoring degraded concrete

- 12 **Passivating cement/polymers for oxidised reinforcing rods**
- 12 REPAR MONOSTEEL
- 12 REPAR STEEL
- 12 **One-component structural thixotropic cement mortars**
- 12 REPAR TIX
- 13 REPAR TIX HG
- 13 REPAR TIX HG SB
- 13 REPAR TIX SFR
- 14 REPAR TIX G2
- 14 REPAR TIX FINE
- 14 REPAR TIX GS
- 15 **Two-component structural thixotropic cement mortars**
- 15 REPAR TIX BIC
- 15 REPAR TIX HG BIC
- 15 **Rapid hardening structural thixotropic cement mortars**
- 15 REPAR TIX SPEEDY HP
- 16 **Single-component cementitious skim coatings**
- 16 RASOGREY
- 16 RASOWHITE
- 16 REPAR SM
- 17 **Two-component structural cementitious skim coat**
- 17 REPAR SM BIC

19 GROUT

Shrinkage compensating free-flowing mortars and grout

- 20 **Structural free-flowing cement mortars**
- 20 GROUT 2
- 20 GROUT 2 SFR
- 20 GROUT 6
- 21 GROUT 6 SFR
- 21 GROUT CR
- 21 **Rapid hardening structural free-flowing cement mortars**
- 21 GROUT 447 SFR
- 22 GROUT 2 HP
- 22 GROUT 6 HP
- 22 GROUT 6 HP SFR
- 23 GROUT iTOP
- 23 **High-performance fibre-reinforced castable micro concrete**
- 23 RINFOR GROUT COL
- 23 **Fluid grouts and micro mortars with a cement base**
- 23 GROUT CABLE
- 24 GROUT FILL
- 24 GROUT MICRO-J
- 24 **Fluid grouts and micro mortars with a base of natural hydraulic lime NHL 3.5**
- 24 SANAFUENS
- 25 MIKROSANA

27 INTOTECH

Salt-resistant base coats, plasters, skim coats, moulding mortars and stucco

- 28 **Preliminary salt-resistant rendering fixative**
- 28 REPAR PLUG
- 28 UNTERSANA

- 28 **Traditional, dehumidifying and heat-insulating plasters based on Natural Hydraulic Lime (NHL) 3.5**

- 28 INTOSANA
- 29 SANATIGH
- 29 CALEOSANA
- 29 SANAWARME

- 30 **High-performance plasters and skim coats**

- 30 UNISAN
- 30 UNISAN White
- 30 RASOCOAT

- 31 **Finishing skim coats and mouldable stucco**

- 31 SANASTOF
- 31 SANASTOF White
- 31 FIBROSTUCK

- 32 **Quick-setting hydraulic-lime thixotropic mortars f or fasteners and anchors**

- 32 ANCHORSANA FIX
- 32 SANAFIRM

- 32 **Bedding mortars for bricks, clay-bricks and stone masonry**

- 32 SANALINK
- 33 SANAZIEG

- 33 **Adhesives and skims for heat-insulating panels and compact substrates with low porosity**

- 33 RASOCOAT

35 OSMOCEN

Osmotic cements for waterproofing

- 36 **Osmotic one-component cement**

- 36 OSMOCEN N
- 36 OSMOCEN MR
- 36 OSMOCEN SCK
- 37 OSMOCEN FLEX MONO

- 37 **Osmotic two-components cements**

- 37 OSMOCEN D
- 37 OSMOCEN FLEX
- 38 OSMOCEN RD
- 38 OSMOCEN iTOP

- 38 **Quick-setting waterproofing osmotic cements**

- 38 OSMOCEN 447
- 39 OSMOCEN QUICK

- 39 **Two-component osmotic cement adhesive, deformable, highly waterproof**

- 39 OSMOKOLL

- 39 **Osmotic cement based on natural hydraulic lime NHL 3.5**

- 39 OSMOSANA

41 PROSEAL

Waterproofing sheets, waterstops, seals, sealants, strips and airtight devices

- 42 **Flexible waterproofing sheets in sodium bentonite and needle-punched geotextile**

- 42 CLAYTEX 120
- 42 CLAYTEX 250

- 42 **Hydro-expansive waterstops in sodium bentonite**

- 42 CLAYSEAL 25.20
- 43 CLAYSEAL 25.20 SW

- 43 **Hydro-expansive rubber waterstops**

- 43 SEALGUM 20.05
- 43 SEALGUM 20.10
- 44 SEALGUM 20.20

- 44 **Products for fastening hydro-expansive waterstops**

- 44 BENTONET
- 44 PROSEAL FIX

- 45 **Granular sodium bentonite**
- 45 CLAYGRAIN
- 45 **PVC waterstop profiles for casting and expansion joints**
- 45 SEALPVC RG 250
- 45 SEALPVC RG 250 BULB
- 46 SEALPVC SF 240
- 46 SEALPVC SF 240 BULB
- 46 **Hydro-expansive seals for formwork spacers and through-pipes**
- 46 RINGSEAL IR 08
- 47 RINGSEAL L19 (to be installed with RINGSEAL PINZA K4)
- 47 RINGSEAL T21
- 47 CORKSEAL T21
- 48 CORKSEAL T24
- 48 BELTSEAL 110/125
- 48 **Expansion pliers for RINGSEAL L19 gaskets**
- 48 RINGSEAL PINZA K4
- 49 **Plastic and elasto-plastic sealants**
- 49 PROTECH FLEX
- 49 PROTECH FLEX PRIMER
- 49 PROTECH SIGILFLEX MONO
- 50 EG 91
- 50 FLEXSEAL 300
- 50 **Plastic sealant putty for waterproofing pipes with through-cables**
- 50 SYNTECH STOPAQ
- 51 **Butyl rubber adhesive strip for rigid joints and connections**
- 51 PROBAND
- 51 **Strips for expansion joints in thermo-plastic material with lateral bands in non-woven fabric**
- 51 ELASTOTEX 120 CLOTH
- 51 ELASTOTEX 170
- 52 ELASTOTEX 220
- 52 ELASTOTEX 325
- 52 ELASTOTEX 550
- 53 **Hypalon strip for expansion joints with very high elasticity**
- 53 ELASTOTEX 250 COMBI
- 53 **Polyethylene foam cables (Filtene) for filling the base of joints**
- 53 FILTENE FONDOGIUNTO

55 SYNTECH

Polyurethane, polyurea and epoxy resins

- 56 **SYNTECH HAG system: polyurethane hydro expansive resins and related accessories**
- 56 SYNTECH HAG ECO
- 56 SYNTECH HAG FLEX
- 56 SYNTECH HAG CLEANER
- 57 SYNTECH HAG INIETTORE 120
- 57 SYNTECH HAG INIETTORE 170
- 57 SYNTECH HAG CONNETTORE
- 58 SYNTECH HAG POMPA AZ-PT/B
- 58 **Plastic sealant putty for waterproofing pipes with through-cables**
- 58 SYNTECH STOPAQ
- 58 **Epoxy-based liquid mortars, resins and stucco**
- 58 SYNTECH AS 21
- 59 SYNTECH AS 31
- 59 SYNTECH IC 55
- 59 SYNTECH RGS
- 60 SYNTECH EPOX TIMBER
- 60 SYNTECH GROUT EP
- 60 EPOMALTA LC

- 61 **Epoxy and polyester-based chemical anchors in cartridge**

- 61 SYNTECH PROFIX
- 61 SYNTECH FIX EP

- 61 **Epoxy and polyurethane primers, treatments and coatings**

- 61 SYNTECH PRIMER EP-W
- 62 SYNTECH PRIMER EP-S
- 62 SYNTECH PAVICROM
- 62 SYNTECH PAVIDAMP
- 63 SYNTECH PAVISHEER
- 63 SYNTECH PAVISTRONG
- 63 SYNTECH WATERPROOF PU
- 64 SYNTECH FLEXIPUR

- 64 **SYNTECH POLIUREA system: polyurea resins and related accessories**

- 64 SYNTECH POLIUREA PRIMER - EPOXY
- 64 SYNTECH POLIUREA PRIMER - EPOXY METAL
- 65 SYNTECH POLIUREA PRIMER - PUR
- 65 SYNTECH POLIUREA SPRAY - N
- 65 SYNTECH POLIUREA SPRAY - FC
- 66 SYNTECH POLIUREA SPRAY - FL
- 66 SYNTECH POLIUREA TOP COATING

67 RINFOR

Special products for reinforcing slabs, masonry and reinforced-concrete structures

- 68 **Alkaline-resistant fibreglass meshes**

- 68 ARMAGLASS 160
- 68 ARMAGLASS INTOTECH 225
- 68 ARMAGLASS STRUCTURA 115
- 69 ARMAGLASS STRUCTURA 250
- 69 ARMAGLASS STRUCTURA 330

- 69 **Alkali-resistant fibreglass connectors**

- 69 ARMAGLASS CONNECTOR
- 70 ARMAGLASS CONNECTOR TWIN

- 70 **Stainless-steel helical bars**

- 70 HELIX STEEL AISI 304

- 70 **Accessories for structural reinforcement systems**

- 70 FLANGIA CON VITE
- 71 SQUADRETTA CON TASSELLI

- 71 **Epoxy and polyester-based chemical anchors in cartridge**

- 71 SYNTECH PROFIX
- 71 SYNTECH FIX EP

- 72 **High-performance fibre-reinforced castable micro concrete**

- 72 RINFOR GROUT COL

- 72 **High-performance plasters and skim coats**

- 72 UNISAN
- 72 UNISAN White
- 73 RASOCOAT

75 FLOORTECH

Micro concretes, levellers, hardening powders, sub-floor screeds, adhesives and complementary products for flooring

- 76 **Extremely high-performance micro concretes for low-level adjustments and reconstructions on concrete flooring**

- 76 FLOOR TENAX
- 76 FLOOR TENAX SFR
- 76 FLOOR Q
- 77 FLOOR Q SFR

- 77 **Self-levelling cement mortars (levellers)**

- 77 FLOOR LEVEL

- 77 FLOOR LEVEL SFR
- 78 FLOOR LEVEL HP THERM
- 78 Traditional and lightweight sub-floor screeds**
- 78 SANASCREEDE
- 78 SANALIT
- 79 Adhesives and stucco**
- 79 UNIKOLL
- 79 OSMOKOLL
- 79 SANAKOLL
- 80 STUCCO BALCONY
- 80 High-performance hardening powder for industrial flooring**
- 80 FLOOR VULKAN
- 80 Consolidating, dust-resistant and water-oil repellent treatments in an aqueous solution**
- 80 QL POLISIL
- 81 QL FLUOSIL
- 81 QL NANO LITHIUM
- 81 QL NANO LITHIUM HARD
- 82 QL NANO LITHIUM SALT RESISTANT
- 82 CONSILEX NANOSIL T-1000
- 82 Curing treatments for industrial flooring and cement conglomerates in general**
- 82 CURING AID
- 83 Biological detergent for rapid elimination hydrocarbon (HC)**
- 83 DETERG FLOOR - HC
- 83 Closed-cell polyethylene edge insulation band**
- 83 FLOORBAND 200
- 83 Polyethylene foam cables (Filtene) for filling the base of joints**
- 83 FILTENE FONDOGIUNTO
- 84 Polyurethane sealants in cartridge for joints**
- 84 PROTECH FLEX
- 84 PROTECH SIGILFLEX MONO
- 84 Two-component urethane cartridge for quickly repairing cracks and crevices in concrete flooring**
- 84 SYNTech ROADWARE
- 85 FLOORTECH-PRERIT system: architectural flooring in washed gravel and related products**
- 85 BOND HG
- 85 READYMESH PM-120
- 85 PRERIT COMPOUND
- 86 PRERIT SOLUTION
- 86 PRERIT SURFACE
- 86 FILTENE FONDOGIUNTO
- 87 PROTECH FLEX

89 READYMESH

Synthetic and steel reinforcement fibres for concrete and cementitious or lime-based conglomerates in general

- 90 Synthetic polypropylene fibres**
- 90 READYMESH PM-060
- 90 READYMESH PM-120
- 90 READYMESH PM-180
- 91 READYMESH PW-120
- 91 READYMESH PS-380
- 91 READYMESH PS-480
- 92 READYMESH PF-180
- 92 READYMESH PF-540
- 92 Carbon steel fibres**
- 92 READYMESH MM-150

- 93 READYMESH MS-350
- 93 READYMESH MF-500
- 93 READYMESH MX-500
- 94 Brass-plated steel microfibers**
- 94 READYMESH MR-060
- 94 READYMESH MR-200

95 CONSILEX

Liquid waterproofing, stain resistant, consolidating, alkalisising, anti-mould and capillary anti-rise chemical barrier treatments

- 96 PROTECH BALCONY system: transparent, non-film waterproofing of terraces and balconies**
- 96 DETERG-A
- 96 STUCCO BALCONY
- 96 FILTENE FONDOGIUNTO
- 97 PROTECH FLEX PRIMER
- 97 PROTECH FLEX
- 97 PROTECH BALCONY
- 98 PROTECH BALCONY WV
- 98 Water-repellent and revitalising treatments for concretes, masonry and brickwork in general**
- 98 CONSILEX ALTRAIN
- 98 CONSILEX ALTRAIN WV
- 99 CONSILEX JAZZ
- 99 Water and oil repellent treatments for natural or artificial materials and for concrete flooring**
- 99 CONSILEX NO-STAIN WV
- 99 CONSILEX NANOSIL T-1000
- 100 Water-repellent consolidating treatments for plasters and stone works**
- 100 CONSILEX IDROCON
- 100 CONSILEX IDROCON WV
- 100 Consolidating treatments and porosity reducers for concretes, plasters and stone works**
- 100 QL NANO LITHIUM
- 101 QL NANO LITHIUM HARD
- 101 QL NANO LITHIUM SALT RESISTANT
- 101 QL FLUOSIL
- 102 QL POLISIL
- 102 SANASTARK
- 102 CONSILEX ST
- 103 CONSILEX IDROFIX
- 103 Realkalising and migratory corrosion inhibitor for concrete structures**
- 103 CONSILEX SAN
- 103 CONSILEX NO-RUST
- 104 Anti-mould and anti-saline treatments in aqueous solution, free from chlorine and soda**
- 104 CONSILEX MUFFA CLEANER
- 104 CONSILEX MUFFA REMOVER
- 104 SANAREG
- 105 Detergent, descaling and soot removal (smog) treatments**
- 105 DETERG-A
- 105 CONSILEX SMOG REMOVER
- 105 Chemical barriers protecting against capillary rising**
- 105 CONSILEX BARRIER-A
- 106 CONSILEX INJECT MAUER
- 106 CONSILEX BARRIER CREAM
- 106 Accessories for slow-diffusion chemical barriers**
- 106 BARRIER BAG
- 107 BARRIER TUBE D26

109 PROTECH

Paints, protective coatings and strengthening fixing primers

110 Lime putty plasters and paints

- 110 SANADEK
- 110 SANAFARBE P
- 110 SANAFARBE I

111 Potassium silicate fixatives, fillers, paints and microplasters

- 111 SANAXIL FIX
- 111 SANAXIL FILLER
- 111 SANAVEL
- 112 SANAXIL P
- 112 SANAXIL P - THERM
- 112 SANAXIL I
- 113 SANAXIL I - THERM

113 Siloxane fixatives, fillers, paints and microplasters

- 113 PROTECH SIL FIX
- 113 PROTECH SIL FILLER
- 114 PROTECH SIL P
- 114 PROTECH SIL P - THERM
- 114 PROTECH SIL I
- 115 PROTECH SIL I - THERM

115 Acrylic fixatives, paints and plasters

- 115 PROTECH FIX AC
- 115 PROTECH FIX AC - THERM
- 116 PROTECH AC-P
- 116 PROTECH AC-I
- 116 PROTECH WAC
- 117 PROTECH WAC-T

117 Specific protective enamel for concrete or plastered pools

- 117 SMERALD PISCINE

117 High-coverage paint for tunnels, galleries and underpasses

- 117 PROTECH TUNNEL

118 Paints for colouring and for road markings on asphalt and bitumen

- 118 PROTECH ROAD LINE
- 118 PROTECH ROAD PAINT

118 Anti-graffiti protective solution for plasters and masonry

- 118 PROTECH GRAFFITI ONE SHOT
- 119 PROTECH GRAFFITI PLUS

119 Asbestos encapsulation fixatives

- 119 ELASTOCAP-ABC
- 119 ELASTOCAP-D

120 Ferrous oxides for concrete, mortar and plaster pigmentation

- 120 PROTECH OXICROM

121 ADMIX

Liquid and powder additives plus complementary products

122 Fluidising liquid additives to reduce shrinkage and to improve thermal conductivity in radiant screeds

- 122 FLUID S
- 122 FLUID SRA
- 122 FLUID THERM

123 Liquid accelerators for sprayed concrete (shotcrete)

- 123 FLUID SPRITZ
- 123 FLUID SPRITZ AF

123 Powder additives for the packaging of injectable slurries, dehumidifying plasters and accelerated setting mortars

- 123 FLUID CABLE
- 124 SANATROCK SA
- 124 SANAFAST

124 Thickened micro silicates to improve the performance of concrete, mortar and slurry

- 124 MICROSIL 90 BIANCO
- 125 MICROSIL 90 GRIGIO

125 Natural Hydraulic Lime (NHL) 3.5

- 125 CALCESANA NOCCIOLA
- 125 CALCESANA BIANCA

126 Multifunctional polymer latex

- 126 BOND HG
- 126 BOND PLUS

126 Dried aggregates and cocciopesto

- 126 GHIAIETTO 6.10
- 127 LATERSANA

127 Natural vitrifying agents for light aggregates (granular cork, expanded perlite and EPS beads)

- 127 SANAGLASS

127 Release agents for wooden and metal formwork

- 127 DISTAK-L
- 128 DISTAK-M

128 Extruder guns for products in cartridges and/or bags

- 128 EXTRUDER GUN FOR 300 CC
- 128 EXTRUDER GUN FOR 533/600 CC
- 129 EXTRUDER GUN FOR 400 CC
- 129 ESTRUSORE PER CARTUCCE BIMIX DA 470 CC
- 129 ESTRUSORE PER CARTUCCE BIMIX DA 600 CC

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KEY TO THE SYMBOLS

	Green Building Product (Sanageb Line)
	Solvent-free
	Suitable for contact with drinking water
	Quick-setting product
	Heat-reflective product
	Hydro-expansive product
	Chemical-resistant product
	Suitable for contact with food
	Product containing recycled material
	Indoor emissions class

REPAR



STRUCTURAL THIXOTROPIC CEMENTITIOUS
SKIM COATS AND MORTARS PLUS
COMPLEMENTARY PRODUCTS FOR RESTORING
DEGRADED CONCRETE



Passivating cement/polymers for oxidised reinforcing rods



REPAR MONOSTEEL

3824 5090

Cement slurry in monocomponent powder, passivating, light Blue in colour, to be added with water, modified with superpozzolanic agents, flexibilising resins and corrosion inhibitors, for the passivating treatment of oxidised reinforcing rods, in the restoration of degraded concrete.

CONSUMPTION: From 0.02 to 0.07 kg of REPAR MONOSTEEL for each linear metre of steel bar to be treated

PACKAGING: Pail 2,5 - 5 kg - Bag 25 kg

COLOR: Light blue



DATA SHEET



REPAR STEEL

3824 5090

Two-component cement slurry, modified with flexibilising resins and specific anticorrosive agents for the passivating treatment of oxidised reinforcement rods, in the restoration of degraded concrete.

CONSUMPTION: From 0.03 to 0.1 kg of REPAR STEEL for each linear metre of steel bar to be treated

PACKAGING: Pail 3,4 kg [A] + Bottle 1,6 kg [B] = Kit: 5 kg [A+B]

COLOR: Light blue



DATA SHEET

One-component structural thixotropic cement mortars



REPAR TIX

3824 5090

Structural, thixotropic, rheoplastic, composite cement mortar, based on high-resistance cements, superpozzolanic fillers, polymeric modifiers, anti-shrink agents, plasticisers, stabilisers, anti-corrosive, anti-allergic additives, selected aggregates, polypropylene fibres.

CONSUMPTION: 19 kg/m² of REPAR TIX for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Gray



DATA SHEET



REPAR TIX HG

 3824 5090

Thixotropic, structural, fibre reinforced cement mortar with high intrinsic watertightness, and extraordinary physical and mechanical characteristics: adhesion to concrete, adhesion to steel, compression resistance, flexural strength, abrasion resistance. Perfect for remediation of structural works and articles in degraded concrete and very high performance coatings. Thanks to the very high adhesion to steel and concrete supports, it is also suitable for fixing threaded bars in holes made on concrete or rock conglomerates. Apply with brick trowel and plastering trowel.

CONSUMPTION: 18,5 kg/m² of REPAR TIX HG for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Gray



EN 998-1



EN 1504-3



DATA SHEET



REPAR TIX HG SB

 3824 5090

Thixotropic, structural, fibre reinforced cement mortar, with compensated shrinkage, with high intrinsic water tightness, and extraordinary physical and mechanical characteristics: adhesion, compression resistance, flexural strength, abrasion resistance, etc. Perfect for remediation of structural works and articles in degraded concrete and very high-performance coatings. REPAR TIX HG SB, in addition to normal manual application techniques, it is a structural mortar specially formulated for applications with pumping/spray machines (wet spritz-beton technique). Particularly optimized parameters are: rheology, thixotropy and workability of the product, which allow spraying operations with reduced wear of the mechanical parts and little waste on the ground.

CONSUMPTION: 18,5 kg/m² of REPAR TIX HG SB for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Gray



EN 1504-3



DATA SHEET



REPAR TIX SFR

 3824 5090

High-performance, thixotropic, structural cementitious mortar, fiber-reinforced with a mix of metal microfibers (length = 6 mm, diameter = 0.22 mm) and alkaline-resistant synthetic microfibers, used for the restoration and thickening of reinforced concrete structures and in masonry, even in severe exposure environments (marine, industrial, cyclically dry and wet).

CONSUMPTION: 19 kg/m² of REPAR TIX SFR for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Gray



EN 1504-3



DATA SHEET

» One-component structural thixotropic cement mortars



REPAR TIX G2

3824 5090

Thixotropic, reinforced fibre, anti-shrink mortar, slightly expansive in plastic phase, high-performance in terms of resistance and waterproofing characteristics, specific for the compensation of cavities and detachments in roughcast underpinning, and for accurate fixing of wooden or steel beams in masonry whatever its nature.

CONSUMPTION: 19 kg/m² of REPAR TIX G2 for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Gray



DATA SHEET



REPAR TIX FINE

3824 5090

A structural and shrinkage-compensated thixotropic cementitious mortar with a maximum aggregate grain size of 0.6 mm, consisting of high-strength cements, super-pozzolanic fillers, stabilising additives and high-tenacity polypropylene microfibres. The fine grain size and exceptional workability of the mortar render REPAR TIX FINE particularly suited to cortical restorations of structures (with the maximum thickness of the single coat being 20 mm) on reinforced concrete and masonry works, for the restoration of concrete requiring an excellent level of surface finishing, operations on the intrados of slabs, even in environments with aggressive exposure (marine, industrial). Manual or spray application with wet curing for the first 48-72 hours.

CONSUMPTION: 18 kg/m² of REPAR TIX FINE for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Gray



DATA SHEET



REPAR TIX GS

3824 5090

A structural and shrinkage-compensated thixotropic cementitious mortar with a maximum aggregate grain size of 5 mm, consisting of high-strength cements, super-pozzolanic fillers, stabilising additives and high-tenacity polypropylene microfibres. The coarse grain of the aggregate and the excellent workability of the mortar render REPAR TIX GS particularly suited to very thick volumetric structural restorations (with a depth of up to 50 mm per single coat applied) on reinforced concrete and masonry, even in environments with aggressive exposure (marine, industrial). It can be applied vertically or to the intrados of reinforced concrete structures, even of significant thickness, always in collaboration with the reinforcing rods, either manually or by spray, without the need for formwork and with wet curing for the first 48-72 hours.

CONSUMPTION: 119 kg/m² of REPAR TIX GS for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Gray



DATA SHEET

Two-component structural thixotropic cement mortars



REPAR TIX BIC

3824 5090

Structural cementitious mortar, two-component, composite, with compensated shrinkage, fiber-reinforced, based on high-strength cements, super-pozzolanic fillers, water-dispersed polymeric resins, migratory corrosion inhibitors, anti-shrinkage additives, plasticizers, stabilizers and anticorrosion agents, selected aggregates, READYMESH microfibers in glass, with a high zirconium content, and multifilament polypropylene.

CONSUMPTION: 20 kg/m² of REPAR TIX BIC for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg [A] + Plastic can 5 kg [B] = Kit: 30 kg [A+B]

COLOR: Gray



EN 998-1



EN 1504-3



DATA SHEET



REPAR TIX HG BIC

3824 5090

Two-component thixotropic, structural, fibre reinforced cement mortar, with compensated shrinkage, with high intrinsic water tightness, and extraordinary physical and mechanical characteristics: adhesion, compression resistance, flexural strength, abrasion resistance, etc. Modified polymer mortar, with the addition of 4.5 kg of component B liquid, provided in canisters, containing special polymers in aqueous emulsion and hygrometric shrinkage reducers. Perfect for remediation of structural works and articles in degraded concrete and very high-performance coatings.

CONSUMPTION: 19,50 kg/m² of REPAR TIX HG BIC for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg [A] + Plastic can 4,5 kg [B] = Kit: 29,5 kg [A+B]

COLOR: Gray



EN 1504-3



DATA SHEET

Rapid hardening structural thixotropic cement mortars



REPAR TIX SPEEDY HP

3824 5090

Structural, rheoplastic, thixotropic cement mix with controlled shrinkage, with adequate super-pozzolanic filler additives, hold accelerators and glass micro-fibres. The mix is equipped with very fast hold, excellent workability and excellent adhesion on cement supports to re-build. The product was mainly designed for small/medium repairs and reconstructions in environments where the fastness of application is important, such as works on roads, ports and airports.

CONSUMPTION: 19 kg/m² of REPAR TIX SPEEDY HP for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Gray



EN 1504-3



DATA SHEET

Single-component cementitious skim coatings



RASOGREY

3824 5090

Structural, fibre-reinforced thixotropic cement skim coat, with excellent adhesion characteristics, resists compression, bending and abrasion, etc. Ideal for structural renovation of works and manufactured pieces in deteriorated concrete. Apply using a trowel.

CONSUMPTION: 1,6 kg/m² of RASOGREY for each millimetre of thickness to be made

PACKAGING: Bag 25 kg

COLOR: Gray



DATA SHEET



RASOWHITE

3824 5090

Structural, fibre-reinforced thixotropic cement skim coat, with excellent adhesion characteristics, resists compression, bending and abrasion, etc. Ideal for structural renovation of works and manufactured pieces in deteriorated concrete. Apply using a trowel.

CONSUMPTION: 1,8 kg/m² of RASOWHITE for each millimetre of thickness to be made

PACKAGING: Bag 25 kg

COLOR: White



DATA SHEET



REPAR SM

3824 5090

Fine skim, monocomponent, thixotropic, rheoplastic, composite, "multipurpose", fast solidifying. Perfect for millimetre and cosmetic smoothing of artefacts and works of concrete in structural and/or functional restoration.

CONSUMPTION: 1,65 kg/m² of REPAR SM for each millimetre of thickness to be made

PACKAGING: Bag 25 kg

COLOR: Gray - White



DATA SHEET

Two-component structural cementitious skim coat



REPAR SM BIC

3824 5090

Fine skim, two-component, thixotropic, rheoplastic, composite, "multipurpose", fast solidifying. Perfect for millimetre and cosmetic smoothing of artefacts and works of concrete in structural and/or functional restoration; also suitable for smoothing façades of buildings with partial or total presence of wall plastic coatings.

CONSUMPTION: 2.0 kg/m² of REPAR SM BIC for each millimetre of thickness to be made

PACKAGING: Bag 25 kg [A] + Plastic can 5 kg [B] = Kit: 30 kg [A+B]

COLOR: Gray - White



DATA SHEET



SOME REFERENCES: 1. Bisantis Viaduct or Ponte Morandi, Catanzaro; 2. General E. Ferrati dry dock, Italian Navy Port, Taranto; 3. Dam of the Venina hydroelectric power plant, Piateda (Sondrio); 4. Elevated aqueduct, AQP, Castellaneta-Laterza (Taranto).



OPERATING SEQUENCE OF RESTORING CONCRETE WITH STRUCTURAL THIXOTROPIC MORTARS: a. Removal of loose and disintegrating parts via high-pressure water jetting; b. Re-alkalisation of the resulting substrates (CONSILEX SAN); c. Passivation of oxidised reinforcing rods (REPAR MONOSTEEL); d. Trowelled restoration of gaps (REPAR TIX); e. Homogenising shaving (REPAR SM); f. Anti-carbonation painting (PROTECH WAC).

SOME REFERENCES: 1. Viaduct on SS 106, ANAS SpA, Ponte Saline (Reggio Calabria); 2. Road viaduct, Autostrade SpA, Alessandria; 3. Consolidation, waterproofing and re-conversion of a former marble quarry in the Palastreto landfill, Sesto Fiorentino (Florence); 4. Sea tower with concrete roof for oil tankers, Edipower SpA, Milazzo (Messina).

GROUT



SHRINKAGE COMPENSATING
FREE-FLOWING MORTARS AND GROUT



GROUT

SHRINKAGE COMPENSATING FREE-FLOWING MORTARS AND GROUT

Structural free-flowing cement mortars



GROUT 2

 3824 5090

GROUT 2 is a high-performance, self-levelling pourable mortar that is fibre-reinforced with READY-MESH PM-060 microfibres, with high durability even in aggressive environments, great adhesion on concrete and steel and compensated shrinkage. Aggregates with a maximum size of 2 mm. Ideal for anchoring machinery with subplate casting, anchoring seismic isolators and embedding bars, for repairs and reinforcements that are quite thin (2-6 cm) on reinforced concrete and masonry structures.

CONSUMPTION: 19 kg/m² of GROUT 2 for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Gray



DATA SHEET



GROUT 2 SFR

 3824 5090

GROUT 2 SFR is a high-performance, self-levelling castable mortar, being fibre-reinforced with READYMESH MM-150 steel fibres and READYMESH PM-060 polypropylene microfibres, with high flexural strength, great adhesion to concrete and steel, and shrinkage compensation. Aggregates with a maximum size of 2 mm. It is ideal for restorations, reinforcements and seismic adjustments, offering ductility for medium thicknesses (3-10 cm), on structures in reinforced concrete and masonry.

CONSUMPTION: 1900 kg of GROUT 2 SFR for every cubic metre of mixture to be made

PACKAGING: Bag 25 kg

COLOR: Gray



DATA SHEET



GROUT 6

 3824 5090

GROUT 6 is a high-performance, self-levelling pourable mortar that is fibre-reinforced with READY-MESH PM-060 microfibres, with high durability even in aggressive environments, great adhesion on concrete and steel and compensated shrinkage. Aggregates with a maximum size of 6 mm. It is ideal for restorations, reinforcements and seismic adjustments for medium-to-high thicknesses (4-15 cm), on structures in reinforced concrete and masonry.

CONSUMPTION: 19,50 kg/m² of GROUT 6 for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Gray



DATA SHEET



GROUT 6 SFR

 3824 5090

GROUT 6 SFR is a high-performance, self-levelling castable mortar, being fibre-reinforced with READYMESH MM-150 steel fibres and 6 mm READYMESH PM-060 polypropylene microfibres, with high flexural strength, great adhesion to concrete and steel, and shrinkage compensation. Aggregates with a maximum size of 6 mm. It is ideal for anchoring road joints, restorations, reinforcements and seismic adjustments, offering ductility for medium-to-high thicknesses (5-20 cm), on structures in reinforced concrete and masonry.

CONSUMPTION: 21.00 kilograms/square metre of GROUT 6 HP SFR per centimetre of thickness to be realised

PACKAGING: Bag 25 kg

COLOR: Gray



EN 1504-6



EN 1504-3



DATA SHEET



GROUT CR

 3824 5090

Composite, castable, anti-washout, controlled shrinkage cement mortar, superfluid consistency, based on high-resistance cements, superpozzolanic fillers (MICROSIL 90), polymeric modifiers, shrinkage resistant agents, specific additives, calcium silicate mineral fibres, selected silica aggregates.

CONSUMPTION: 20,50 kg/m² of GROUT CR for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Gray



EN 1504-3



DATA SHEET

Rapid hardening structural free-flowing cement mortars



GROUT 447 SFR

 3824 5090

Castable mortar, reinforced with steel fibres, fast-curing, based on portland cement, special binders, selected siliceous aggregates and specific rheologic agents, for repairs, reconstructions and anchorages for fast re-use, in road works and in concrete, even in severe weather conditions and at low temperatures.

CONSUMPTION: 21,50 kg/m² of GROUT 447 SFR for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Gray



EN 1504-3



DATA SHEET

GROUT

SHRINKAGE COMPENSATING FREE-FLOWING MORTARS AND GROUT

» Rapid hardening structural free-flowing cement mortars



GROUT 2 HP

 3824 5090

GROUT 2 HP is a castable, fibre-reinforced mortar used for structural restoration operations, anchoring of steel bars and strands, reinforced micropiles, tie rods and riveting. The formulation contains very fine high-strength cements, micro-silicas with pozzolanic activity, aggregates in a rational granulometric curve (0.1-1.8 mm) along with special anti-segregative additives. The product is mixed with 11%-12% water, working vigorously and with prolonged mechanical mixing. The special formulation of GROUT 2 HP confers to the castings mechanical strength, fracture energy, exceptional durability and very high chemical-physical resistance.

CONSUMPTION: 20 kg/m² di GROUT 2 HP for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Gray



GROUT 6 HP

 3824 5090

GROUT 6 HP is a high-performance castable mortar, equipped with mechanical compressive and bending resistance far superior to normal structural mortars. It is used for repairs, replenishments, strengthening concrete reinforcement and special works in HPC. The special additives contained in the formulation are able to compensate for shrinkage and the development of exceptional rheological characteristics.

CONSUMPTION: 20,5 kilograms/square metre of GROUT 6 HP per centimetre of thickness to be realised

PACKAGING: Bag 25 kg

COLOR: Gray



GROUT 6 HP SFR

 3824 5090

GROUT 6 HP SFR is a fibre-reinforced high-performance castable mortar, equipped with mechanical compressive and flexotraction resistance far superior to normal structural mortars. It is used for repairs, replenishments, strengthening concrete reinforcement and special works in FRC. The mix of special metal fibres (READYMESH MM-150) and synthetic fibres (READYMESH PM-060) is able to drastically reduce or even eliminate plastic-hygrometric shrinkage and the development of exceptional characteristics of ductility, fracture energy, resistance to shock and dynamic stress.

CONSUMPTION: 21.00 kilograms/square metre of GROUT 6 HP SFR per centimetre of thickness to be realised

PACKAGING: Bag 25 kg

COLOR: Gray





GROUT iTOP

3824 5090

GROUT iTOP is a high-performance, structural, expansive cement mortar to be cast for centimetric thickness in precision anchorages or for the construction and restoration of concrete structures. GROUT iTOP complies with the requirements of the EN 1504/3 standard as a high-performance structural mortar (Class R4) and develops extensive resistance within the first 24 hours after application (>35 MPa). GROUT iTOP is slightly expansive in both plastic and hardened phases whilst being resistant to aggressive environmental agents, thus protecting the reinforcements and minimising the risk of corrosion.

CONSUMPTION: 19 kg/m² of GROUT iTOP for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Gray



DATA SHEET

High-performance fibre-reinforced castable micro concrete



RINFOR GROUT COL

3824 5090

RINFOR GROUT COL is a special two-component cementitious formulation, being fibre-reinforced with READY MESH technology, enriched with reactive microsilicates with very high pozzolanic activity and special crystalliser additives that increase the end result and the durability. Mixed with water, it is able to forge micro-concretes with pourable rheology. Once hardened, the product offers exceptional physical-mechanical and ductility values. Ideal for the reinforcement and seismic adaptation of flooring in reinforced concrete, brick-concrete or corrugated sheeting or wood, by constructing a thin extradosal structural screed along with beams, pillars, structural crosspoints and walls, by means of suitable liners.

CONSUMPTION: 22 kg/m² of RINFOR GROUT COL for every centimetre of thickness to be implemented

PACKAGING: n. 1 Bag 25 kg [A] + n. 1 Pail 1,25 kg [B] = 26,25 kg [A+B]

n. 4 Pail 25 kg [A] + n. 1 Pail 5 kg [B] = 105 kg [A+B]

n. 16 Pail 25 kg [A] + n. 1 Bag 20 kg [B] = 420 kg [A+B]

COLOR: Gray



DATA SHEET

Fluid grouts and micro mortars with a cement base



GROUT CABLE

3824 5090

Superfluid, injectable, ultra-high flowability and stability cement grout, moderately expansive in the plastic phase, for fixings, anchorages, wall reinforcements, fillings, post-tensioning sheathing fills etc., based on high-resistance cements, specific agents, superpozzolanic reactive fillers.

CONSUMPTION: 1700 kg of GROUT CABLE for each cubic metre of volume to be filled

PACKAGING: Bag 25 kg

COLOR: Gray



DATA SHEET

GROUT

SHRINKAGE COMPENSATING FREE-FLOWING MORTARS AND GROUT

» Fluid grouts and micro mortars with a cement base



GROUT FILL

3824 5090

An anti-shrinkage, pourable, self-levelling, super-adhesive micro-mortar, based on high-strength cements, super-pozzolanic fillers, polymeric stabilisers and anti-shrinkage agents. Aggregates with a maximum size of 0.35 mm. Ideal for filling joints (gaps and/or interstices) in urban paving made of porphyry or stone slabs, even of large dimensions. For filling cracks and lesions on concrete and masonry structures.

CONSUMPTION: 1800 kg of GROUT FILL for each cubic metre of volume to be filled

PACKAGING: Bag 25 kg

COLOR: Gray



DATA SHEET



GROUT MICRO-J

3824 5090

An anti-shrinkage, pourable, self-levelling, super-adhesive micro-mortar, based on high-strength cements, super-pozzolanic fillers, polymeric stabilisers and anti-shrinkage agents. Aggregates with a maximum size of 0.35 mm. Ideal for consolidating and reinforcing injections on concrete, masonry and cracked/damaged rock. Anchors and fastens steel bars, pins, brackets and so on, to concrete, masonry and rock.

CONSUMPTION: 1700 kg of GROUT MICRO-J for every cubic metre of mixture to be made

PACKAGING: Bag 25 kg

COLOR: Gray



DATA SHEET

Fluid grouts and micro mortars with a base of natural hydraulic lime NHL 3.5



SANAFLUENS

3824 5090

Powder preparation, ready-to-use, based on hydraulic lime, for the preparation, with the sole addition of water, of grout for masonry reinforcement, injectable and castable, high performance in terms of sliding, strength and stability, for ecological building interventions and the restoration of vintage buildings and monuments.

CONSUMPTION: 1500 kg of SANAFLUENS for each cubic metre of volume to be filled

PACKAGING: Bag 25 kg

COLOR: Gray



DATA SHEET



MIKROSANA

🚚 3824 5090

MIKROSANA is a mixture of cement-free binders, recommended for injecting consolidation of brick, stone and mixed structures. Its hydraulic grip is based on the active lime-microsilica reaction and the presence of hydraulic calcium free of harmful soluble salts. Its exceptional fluidity, coupled with extremely small particle size, allows it to penetrate less than 1.5 mm pores and cracks. The addition of natural and artificial pozzolans allows progressive hydration and hardening beyond the standard 28 days of ripening. MIKROSANA, thanks to its particular constituents, is totally compatible with old mortars, which makes its use particularly recommended for the injection consolidation of antique plasters, even in the presence of frescoes.

CONSUMPTION: 1550 kg of MIKROSANA for each cubic metre of volume to be filled

PACKAGING: Bag 25 kg

COLOR: Hazelnut



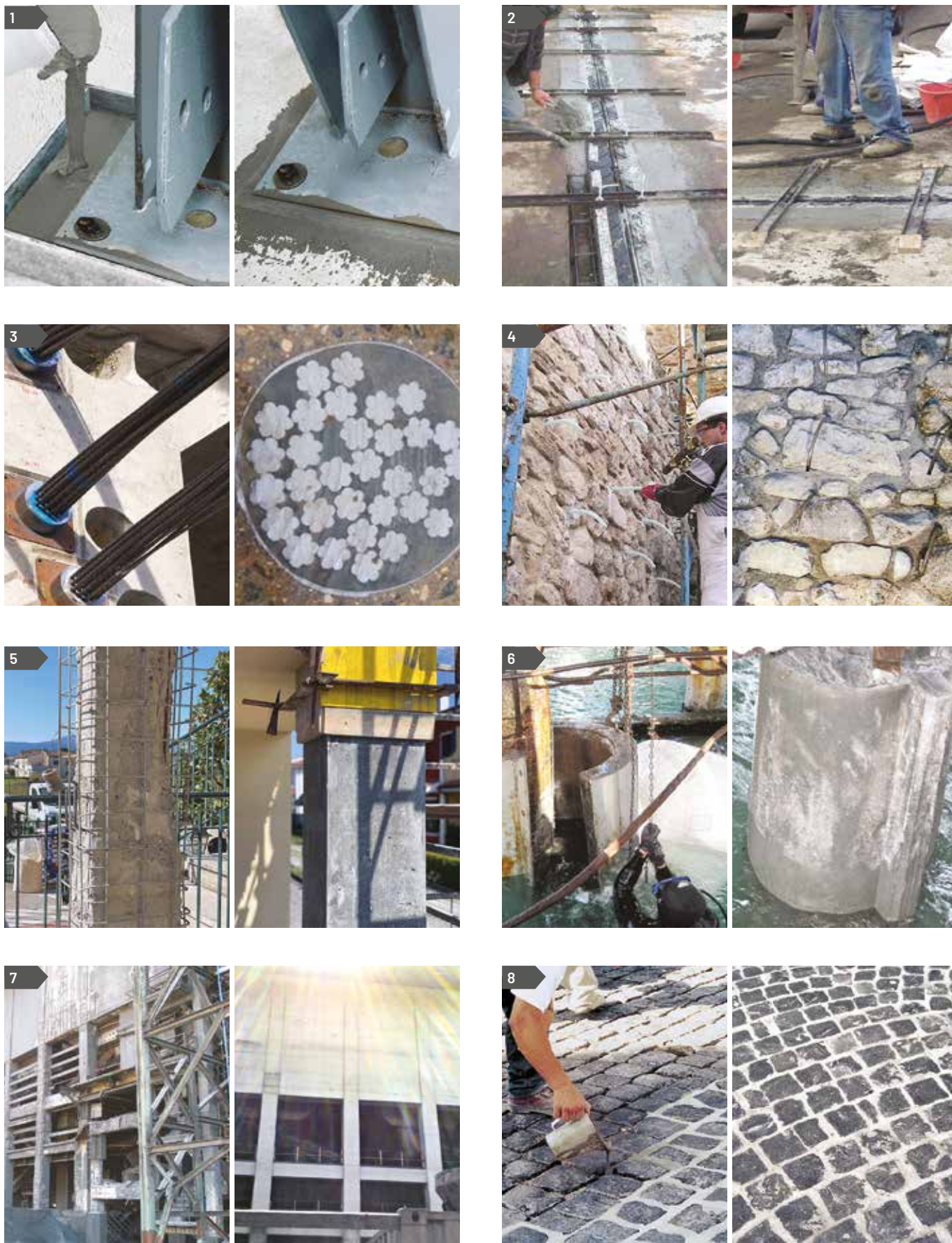
EN 998-2



DATA SHEET



1. Anchor rods with strands, to be filled with superfluid anti-shrinkage grout (GROUT CABLE); 2. Precision grouting of metal plates with structural expansive mortar (GROUT 2 HP); 3. Restoration of the Church of Sant'Aponal in Venice, with consolidating grouts (MIKROSANA); 4. Reconstruction of the sea stacks with castable anti-washout mortars, tourist landing pier, Roseto degli Abruzzi (GROUT CR).



1. Precision grouting of anchor bolts and the construction of subplates with expansive structural mortars (GROUT 2); **2.** Structural anchoring of waterproof expansion and continuity joints on road deck (GROUT 6 SFR); **3.** Filling of stranded tie rods with highly smooth and shrinkage-compensated structural grout (GROUT CABLE); **4.** Consolidation of hollow masonry via injections of superfluid slurry based on natural hydraulic lime NHL 3.5 (SANAFLUENS); **5.** Reinforcement and structural reconstruction of old carbonated pillars, with non-shrinking pourable mortar (GROUT 6 HP); **6.** Reconstruction of the piers of a jetty, pouring the anti-washout mortar directly into the sea water (GROUT CR); **7.** Structural reconstruction with non-shrinkage pourable mortars of a highly degraded concrete product, ILVA SpA, Taranto (GROUT 6); **8.** Mutually-resistant sealing of the joints between cobblestones in a piazza in Sora, Frosinone (GROUT FILL).

INTOTECH



SALT-RESISTANT BASE COATS, PLASTERS,
SKIM COATS, MOULDING MORTARS AND STUCCO



Preliminary salt-resistant rendering fixative



REPAR PLUG

3824 5090

A single-component, super-adhesive cementitious mortar for rough coating, with a base of high-strength binders, selected aggregates, adhesion-promoting polymers and specific agents. Ideal for the preliminary "rough coat" treatment of concrete surfaces, mixed masonry, rock walls and other poorly-absorbent surfaces, for subsequent coating with traditional (INTOSANA), dehumidifying (SANATIGH) and/or thermal-insulating (SANAWARME or CALEOSANA) plasters.

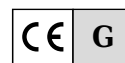
CONSUMPTION: From 4 to 6 kg of REPAR PLUG for each square meter of surface to be rendered

PACKAGING: Bag 25 kg

COLOR: Gray



EN 998-1



EN 998-2



DATA SHEET



UNTERSANA

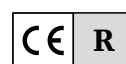
3824 5090

With the addition of mixing water only, this single-component premix creates a breathable, dehumidifying rough coating, preparatory to the application of restorative, dehumidifying, thermal-insulating and anti-condensation plasters, specifically INTOSANA, SANATIGH, SANAWARME and CALEOSANA, being plasters designed specifically for the healthiness of new buildings, existing buildings, works on green buildings and in the restoration of historic and monumental buildings.

CONSUMPTION: From 4 to 6 kg of UNTERSANA per square metre of surface to be rendered.

PACKAGING: Bag 25 kg

COLOR: Light Grey



EN 998-1



DATA SHEET

Traditional, dehumidifying and heat-insulating plasters based on Natural Hydraulic Lime (NHL) 3.5



INTOSANA

3824 5090

Premixed, fibre-reinforced, breathable plaster, based on hydraulic lime, for coating and repairing internal and external walls and masonry, for new buildings, existing buildings, ecological building interventions, in new buildings and in the restoration of vintage buildings and monuments.

CONSUMPTION: 15 kg/m² of INTOSANA for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Light Hazelnut



EN 998-1



EN 998-2



DATA SHEET



SANATIGH

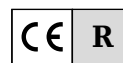
 3824 5090

This macroporous, breathable, dehumidifying, fibre-reinforced plaster, with a base of natural hydraulic lime NHL 3.5, is for the dehumidification and hygrometric restoration of buildings and masonry, in works on green buildings, for new constructions and in the restoration of historic and monumental buildings.

CONSUMPTION: 13 kg/m² of SANATIGH for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Light Pink (7,5 YR 8/2 Munsell®)



EN 998-1



DATA SHEET



CALEOSANA

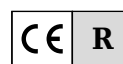
 3824 5090

A plaster for interiors and exteriors that is macroporous, in respect of green building standards, with high thermal insulation and anti-condensation performance, having a base of natural hydraulic lime NHL 3.5, siliceous aggregates, metakaolin, granular expanded silica with an extremely high volume of interconnecting voids and a low elastic modulus. Its particular characteristics make it suitable for dehumidification, for heat and humidity treatments on buildings and walls, in ecological building operations and in the restoration of historical buildings and monuments.

CONSUMPTION: 9 kg/m² of CALEOSANA for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Light Gray



EN 998-1



DATA SHEET



SANAWARME

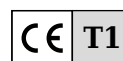
 3824 5090

A thermal, external-coating macroporous plaster with high thermal and acoustic insulation, it has a base of natural hydraulic lime NHL 3.5, natural hydraulic binders with low soluble salt content and low environmental impact, botticino marble, kaolin, calcium casein, Vichy salt, calcium carbonate, tartaric acid, ammonium salts, expanded perlite, cork powder, natural fibres along with specific and antisaline agents for the dehumidification, thermal and hygrometric restoration of buildings and masonry, in green building works, for new constructions and in the restoration of historic and monumental buildings. Specifically for applying "mineral coatings". A mortar/plaster with guaranteed performance offering specific insulating properties pursuant to UNI EN 998/1 - Class T1 (the top thermal insulation class). Thermal conductivity certified pursuant to UNI EN 12664.

CONSUMPTION: 4,00 - 4,50 kg/m² of SANAWARME for every centimetre of thickness to be implemented

PACKAGING: Bag 13 kg

COLOR: Gray chiaro



EN 998-1



DATA SHEET

High-performance plasters and skim coats



UNISAN

3824 5090

A composite mortar that is fibre-reinforced, consolidating, dehumidifying, grey in colour and utilised for the structural restoration of crumbling old or monumental masonry. It contains no substances that are potentially harmful to masonry and is composed of NHL 3.5 natural hydraulic lime and hydraulic binders free from soluble salts, along with silicas with pozzolanic activity, selected siliceous-calcareous aggregates, specific shrinkage-reducing agents and resistant alkaline READYMESH fibres that confer high flex-traction whilst increasing the performance of the mortar's fracture energy. In conjunction with ARMAGLASS STRUCTURA fibreglass mesh, it is ideal for the structural restoration of old walls or crumbling constructions.

CONSUMPTION: 15 kg/m² of UNISAN for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Gray



DATA SHEET



UNISAN BIANCO

3824 5090

A composite mortar that is fibre-reinforced, consolidating, dehumidifying, white in colour and utilised for the structural restoration of crumbling old or monumental masonry. It contains no substances that are potentially harmful to masonry and is composed of hydraulic binders free from soluble salts, along with silicas with pozzolanic activity, selected siliceous-calcareous aggregates, specific shrinkage-reducing agents and alkaline-resistant READYMESH fibres that offer a high bending-traction effect and increase the fracture energy of the mortar. In conjunction with ARMAGLASS STRUCTURA fibreglass mesh, it is ideal for the structural restoration of old walls or crumbling constructions.

CONSUMPTION: 15 kg/m² of UNISAN for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: White Ivory



DATA SHEET



RASOCOAT

3824 5090

Premixed monocomponent powder compound, based on hydraulic binders, water-dispersible resins, selected siliceous and calcareous aggregates, specific agents, for the packaging, with the sole addition of water, of an adhesive thixotropic mortar for fine smoothing of elements in concrete, cementitious plasters, bastard mortar, plastic scratched, tiled coatings, HPFRC conglomerates and the bonding of expanded polystyrene and polystyrene insulation to masonry or old plaster, and polystyrene and glass fiber nets in the RINFOR SYSTEM 3 anti-tip system.

CONSUMPTION: As an adhesive: approximately 5.5 kg/m².

As a reinforced skim: from 3 to 4 kg/m² in normal skimming coats, from 8 to 10 kg/m² in skimming coats for the RINFOR SYSTEM 3 anti-tip system

PACKAGING: Bag 25 kg

COLOR: Gray



DATA SHEET

Finishing skim coats and mouldable stucco



SANASTOF

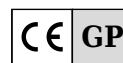
3824 5090

A premix with a composition of breathable minerals for dehumidifying, with a base of natural hydraulic lime NHL 3.5, microsilicas with pozzolanic activity, selected aggregates, high tenacity microfibres and inert light unit weight thermal-insulating aggregates with a low elastic modulus. It is used for skimming and smoothing, both indoors and outdoors. This product is perfectly compatible with multiple substrates: lime-based plasters, lime cement, cementitious mortars, concretes, porous stone and brick. Its characteristics render it particularly suited to green building works and for restoring historic and monumental constructions. The maximum grain size of the aggregate is 0.9 mm.

CONSUMPTION: 1,2 kg/m² of SANASTOF for each millimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Light Pink
(7,5 YR 8/2 Munsell®)



EN 998-1



DATA SHEET



SANASTOF BIANCO

3824 5090

A smoothing, adhesive, breathable, dehumidifying compound with fine grain size, with a base of light-coloured hydraulic binders for skim coating internal and external plastered walls, in green building works and in the restoration of historic and monumental constructions.

CONSUMPTION: 1,3 kg/m² of SANASTOF BIANCO for each millimetre of thickness to be implemented

PACKAGING: Bag 25 kg

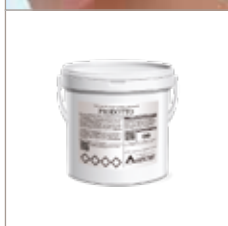
COLOR: White Ivory



EN 998-1



DATA SHEET



FIBROSTUCK

3214 1090

Adhesive filler, white in colour, for grouting and filling cracks and fissures and small imperfections on plasters and external walls, also in combination with SANAXIL FILLER.

CONSUMPTION: 1.75 kg of FIBROSTUCK for each cubic decimetre of volume to be grouted

PACKAGING: Pail 5 kg

COLOR: White



DATA SHEET

Quick-setting hydraulic-lime thixotropic mortars for fasteners and anchors



ANCHORSANA FIX

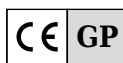
3824 5090

Premixed based on hydraulic lime, special sulfur aluminate binders, water retainers, shrinkage compensators and reducers of the water/binder ratio, used for fixing and anchoring, in masonry, connectors, inserts, bars, brackets, grouting of the joints, tacking of lesions. It is a product with accelerated setting and hardening, with setting start at 30', end setting at 60' and development of mechanical strength already after 90' of curing. Particularly recommended in the restoration of period and monumental buildings.

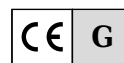
CONSUMPTION: 1.6 kg of ANCHORSANA FIX for each cubic decimeter of volume to be filled

PACKAGING: Bag 25 kg

COLOR: Light Gray



EN 998-1



EN 998-2



DATA SHEET



SANAFIRM

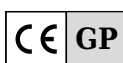
3824 5090

Adhesive, thixotropic, reinforced fibre compound, based on hydraulic lime, reinforced fibre, fast-curing, for fastening and anchorage, of wall bodies, structures, inserts, plates, frames, bars, sanitary, etc., in ecological building interventions, new buildings and in the restoration of vintage buildings and monuments.

CONSUMPTION: 1.6 kg of SANAFIRM for each cubic decimetre of volume to be filled

PACKAGING: Bag 25 kg

COLOR: Gray



EN 998-1



EN 998-2



DATA SHEET

Bedding mortars for bricks, clay-bricks and stone masonry



SANALINK

3824 5090

Hydraulic lime and natural light aggregate based fibre-reinforced mortar. It has high water vapor permeability characteristics, low bulk density (reduced thermal conductivity) and limited water permeability. Ideal for the construction of internal and external walls and masonry for new buildings, the renovation of existing buildings, green construction and the restoration of antique and monumental buildings.

CONSUMPTION: 17 kg/m² of SANALINK for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Hazelnut



EN 998-2



DATA SHEET



SANAZIEG

 3824 5090

Adhesive high breathability and moldability mortar, based on hydraulic lime, for filling the vanishing points between elements in stone, brick, mouldings, decorative articles etc., in ecological building interventions, new buildings and in the restoration of vintage buildings and monuments. It can be added with earth COLOR, ornamental aggregates etc.

CONSUMPTION: 1.6 kg of SANAZIEG for each cubic decimetre of volume to be filled

PACKAGING: Bag 25 kg

COLOR: Dark Hazelnut



EN 998-1



DATA SHEET

Adhesives and skims for heat-insulating panels and compact substrates with low porosity



RASOCOAT

 3824 5090

Premixed monocomponent powder compound, based on hydraulic binders, water-dispersible resins, selected siliceous and calcareous aggregates, specific agents, for the packaging, with the sole addition of water, of an adhesive thixotropic mortar for fine smoothing of elements in concrete, cementitious plasters, bastard mortar, plastic scratched, tiled coatings, HPFRC conglomerates and the bonding of expanded polystyrene and polystyrene insulation to masonry or old plaster, and polystyrene and glass fiber nets in the RINFOR SYSTEM 3 anti-tip system.

CONSUMPTION: As an adhesive: approximately 5.5 kg/m².

As a reinforced skim: from 3 to 4 kg/m² in normal skimming coats, from 8 to 10 kg/m² in skimming coats for the RINFOR SYSTEM 3 anti-tip system

PACKAGING: Bag 25 kg

COLOR: Gray



EN 998-1



DATA SHEET



SOME REFERENCES: 1. Villa Feltrinelli, Gargnano (Brescia); 2. Castello Aragonese in Le Castella, Isola di Capo Rizzuto (Crotone).



EXAMPLES OF WORKS:

1. Rehabilitation of old above-ground masonry (SANAREG, UNTERSANA, SANATIGH, SANASTOF); 2. Restoration of old underground masonry (SANAREG, OSMOCER RD, UNTERSANA, CALEOSANA, SANASTOF); 3. Realisation of a natural thermal coat of plaster that is insulating, transpiring, dehumidifying, anti-condensation and certified (UNTERSANA, SANAWARME, SANASTOF); 4. Structural consolidation of the extrados of a vaulted roof (UNISAN).

OSMOCEM



OSMOTIC CEMENTS FOR WATERPROOFING



Osmotic one-component cement



OSMOCEM N

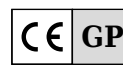
3824 5090

Cement compound for the preparation, with the sole addition of water, of a waterproofing osmotic coating that can create horizontal and vertical barriers, also suitable in conditions of negative hydrostatic thrust vis-à-vis water permeation in the buildings. Typical uses include waterproofing underground rooms, elevator compartments, garages, basements, tanks, etc.

CONSUMPTION: 1.7 kg/m² of OSMOCEM N for each millimetre of thickness to be made

PACKAGING: Bag 25 kg

COLOR: Gray - White



EN 998-1



DATA SHEET



OSMOCEM MR

3824 5090

Mono-component, osmotic cement mortar based on hydraulic binders, modifying resins and superpozzolanic reactive fillers selected aggregates, for the preparation of adhesive mixtures that after curing, create a protective, waterproof, high-efficiency coating. OSMOCEM MR can be used for coatings, reconstructions and millimetric protections, finishing coats etc., in interventions of conservative restoration, waterproofing reinforced concrete structures, wall coverings, hydraulic works, extended exposed surfaces etc.

CONSUMPTION: 18 kg/m² of OSMOCEM MR for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Gray



EN 998-1



DATA SHEET



OSMOCEM SCK

3824 5090

Fiber-reinforced monocomponent cement mortar, based on hydraulic binders, superprogolite fillers, selected fine aggregates and crystallizing reagent agents, which favor the penetration of the compound into the support. Ideal for low-thickness protective coatings (4 to 10 mm), with high counterweight adhesion. The specific formulation makes this product ideal for coatings in aggressive environments in contact with chlorides and sulphates (sewage systems).

CONSUMPTION: 1.7 kg/m² of OSMOCEM SCK for each millimetre of thickness to be made

PACKAGING: Bag 25 kg

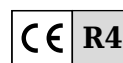
COLOR: Gray



EN 13529



EN 998-1



EN 1504-3



DATA SHEET



OSMOCEM FLEX MONO

3824 5090

Osmotic cementitious waterproofing from a single-component, fibre-reinforced modified polymer, being super adhesive and deformable, with a plastic-elastic conduct. Ideal for waterproofing beneath tiles and for protecting concrete. It is easily applied by trowel, brush or roller, both on horizontal and vertical surfaces. Offers a 30% higher yield than two-component systems.

CONSUMPTION: 1.4 kg/m² of OSMOCEM FLEX MONO for each millimetre of thickness to be made

PACKAGING: Bag 25 kg

COLOR: Gray



EN 1504-2



DATA SHEET

Osmotic two-components cements



OSMOCEM D

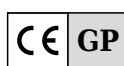
3824 5090

A two-component osmotic cementitious waterproofing in water dispersion, a modified polymer that is super adhesive, breathable and moderately deformable, being resistant to positive and negative thrusts. Application by trowel, brush or roller. Ideal for waterproofing reinforced concrete and masonry structures including tanks, water pipes, underground structures, lift shafts, flower boxes and hanging gardens. It also serves for repairs and protective coatings of structures offshore or those exposed to sea salt. Suitable for contact with drinking water.

CONSUMPTION: 1.9 kg/m² of OSMOCEM D for each millimetre of thickness to be made

PACKAGING: Bag 25 kg [A] + Plastic can 5,2 kg [B] = Kit: 30,2 kg [A+B]

COLOR: Gray - White



EN 998-1



EN 14891 (System 3)



EN 1504-3



DATA SHEET



OSMOCEM FLEX

3824 5090

A two-component osmotic cementitious waterproofing agent in water dispersion, being a modified polymer that is highly flexible and deformable, with a plastic-elastic conduct. Application by trowel, brush or roller. Ideal for waterproofing terraces, balconies and swimming pools, prior to laying the tiled or brick coating. Suitable for contact with drinking water.

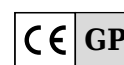
CONSUMPTION: 1.8 kg/m² of OSMOCEM FLEX for each millimetre of thickness to be made

PACKAGING: Bag 24 kg [A] + Plastic can 8 kg [B] = Kit: 32 kg [A+B]

COLOR: Gray - White



EN 1504-2



EN 998-1



DATA SHEET

» Osmotic two-components cements



OSMOCEM RD

3824 5090

Osmotic fibre reinforced two-component cement mortar, based on hydraulic binders, modifying resins and flexibilisers, superpozzolanic reactive fillers, for the preparation of adhesive mixtures, easy to spread, which after hardening, provide an effective waterproofing protection, both in direct push and in negative pressure, with high capacity of deformation.

CONSUMPTION: 18 kg/m² of OSMOCEM RD for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg [A] + Plastic can 4,5 kg [B] = Kit: 29,5 kg [A+B]

COLOR: Gray



DATA SHEET



OSMOCEM iTOP

3824 5090

A two-component osmotic cementitious waterproofing in water dispersion, being a modified polymer that is super adhesive and flexible, resistant to positive and negative thrusts. Application by trowel, brush or roller. Ideal for protective coatings and waterproofing of reinforced concrete and masonry works such as tanks, swimming pools, water pipes, cracked cement plasters or balconies. It is also used for repairs and protective coatings of structures offshore or exposed to sea salt. Suitable for contact with drinking water.

CONSUMPTION: 1.6 kg/m² of OSMOCEM iTOP for each millimetre of thickness to be made

PACKAGING: Bag 25 kg [A] + Plastic can 8 kg [B] = Kit: 33 kg [A+B]

COLOR: Gray - White



DATA SHEET

Quick-setting waterproofing osmotic cements



OSMOCEM 447

3824 5090

Anti-leaching mortar with plastic consistency, fast-hardening, based on silica fume, high resistance hydraulic binders, polymeric binders and selected siliceous aggregates; free from chlorides, aluminium, metal powders and harsh substances.

CONSUMPTION: 19 kg/m² of OSMOCEM 447 for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Gray



DATA SHEET



OSMOCEM QUICK

3824 5090

Cement compound for instantaneously stopping water leaks in underground rooms or above-ground structures, even in the presence of negative thrust pressure. Based on rapid hardening and high resistance hydraulic binders of ultrafine quartz aggregates, shrinkage compensators, micronized hydrophobic products and specific additives for the regulation of rheology. It does not contain chlorides. Mixed with water it gives rise to a mixture of thixotropic plastic consistency, easily applied even vertically, which hardens in 30" - 60", adhering perfectly to the roughened support.

CONSUMPTION: 17 kg/m² di OSMOCEM QUICK for every centimetre of thickness to be implemented

PACKAGING: Pail 5 kg - Bag 25 kg

COLOR: Gray



DATA SHEET

Two-component osmotic cement adhesive, deformable, highly waterproof



OSMOKOLL

3824 5090

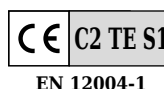
A two-component, certified cementitious adhesive based on hydraulic binders free from harmful additions, with modifying and flexibilising resins, selected siliceous and calcareous sands, reactive fillers with high pozzolanic activity and cellulosic thickeners, perfect for the preparation of adhesive mixtures that are trowelable with high deformation and impermeability capacity. Ideal for bonding coatings of any kind, even with low absorption, on horizontal and vertical surfaces, both internal or external, including with low porosity (for example, coatings on indoor swimming pools). Cannot be used for plaster or anhydride substrates nor for substrates subject to movement or bearing a protective film.

CONSUMPTION: Use from 5 to 6 kg/m² of OSMOKOLL depending on the type of support and the type of material to be bonded

PACKAGING:

Bag 25 kg [A] + Plastic can 4 kg [B] = Kit: kg 29 [A+B]

COLOR: Gray



EN 12004-1



EN 998-1



DATA SHEET

Osmotic cement based on natural hydraulic lime NHL 3.5



OSMOSANA

3824 5090

Osmotic brushable hydraulic lime-based compound, for the construction of vertical barriers, waterproofing, in porous structure masonry (brick, natural stone, etc.) in ecological building interventions, new buildings and in the restoration of vintage buildings and monuments.

CONSUMPTION: 1.4 kg/m² of OSMOSANA for each millimetre of thickness to be made

PACKAGING: Bag 25 kg

COLOR: Light Hazelnut



EN 998-1



DATA SHEET



EXAMPLES OF WORKS:

1. Protective, waterproofing coating for irrigation ducts with a single-component osmotic cementitious compound (OSMOCEM D); 2. Waterproofing of terraces with a bi-component plasto-elastic cementitious compound (OSMOCEM FLEX); 3. Internal waterproofing of a concrete tank with bi-component thick cementitious compound (OSMOCEM RD); 4. Grouting of the holes produced by the formwork spacers and waterproofing the concrete retaining walls (OSMOCEM N).

PROSEAL



WATERPROOFING SHEETS, WATERSTOPS, SEALS,
SEALANTS, STRIPS AND AIRTIGHT DEVICES



Flexible waterproofing sheets in sodium bentonite and needle-punched geotextile



CLAYTEX 120

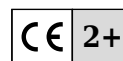
5911 9099

Flexible waterproofing geotextile for active waterproofing of underground structures, containing a uniform layer of granular sodium bentonite, with a high montmorillonite content, equal to 5.0 kg/m², consisting of a needled geotextile fabric with nylon fibres interfaced with non-woven geotextile in weight 100%. CLAYTEX 120 is supplied in rolls of 1.20 x 5 m (6 m²), weighing 32 kg (±2 kg) per roll.

CONSUMPTION: 1,12 m²/m²

PACKAGING: Roll 6 m²

COLOR: Black on one side (dark side) and beige on the other



EN 13491



DATA SHEET



CLAYTEX 250

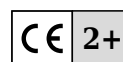
5911 9099

Flexible waterproofing geotextile for active waterproofing of underground structures, containing a uniform layer of granular sodium bentonite, with a high montmorillonite content, equal to 5.0 kg/m², consisting of a needled geotextile fabric with nylon fibres interfaced with non-woven geotextile in weight 100%. CLAYTEX 250 is supplied in rolls of 2.50 x 20 m (50 m²), weighing 267 kg per roll.

CONSUMPTION: 1,06 m²/m²

PACKAGING: Roll 50 m²

COLOR: Black on one side (dark side) and beige on the other



EN 13491



DATA SHEET

Hydro-expansive waterstops in sodium bentonite



CLAYSEAL 25.20

4005 9100

Preformed hydro-expansive sealing waterstop joint, for hermetic sealed construction joints in structures, walls and foundations, made with a mixture of sodium bentonite, expanding rubber and special aggregating polymers ("hydrocarbon"). CLAYSEAL 25.20 has a rectangular cross-section of 25x20 mm, packaged in rolls of 5 m each.

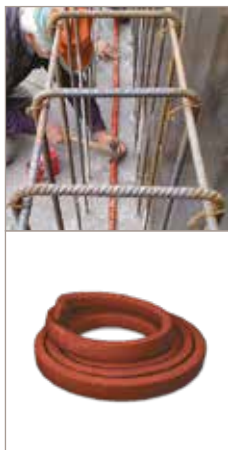
CONSUMPTION: 1,02 m/m

PACKAGING: Box: 6 x (Roll 5 m)

COLOR: Black



DATA SHEET



CLAYSEAL 25.20 SW

4005 9100

High performance hydro-expansive sealing waterstop for construction joints with safe hermetic seal for structures, masonry and foundations, made of a mixture of sodium bentonite, hydro-expansive rubber and special binding polymers ("hydrocarbon"), specifically designed to be used in contact with salt water or organic leachates. CLAYSEAL 25.20 SW has a rectangular cross section of 25x20 mm, packed in rolls of 5 m each.

CONSUMPTION: 1,02 m/m

PACKAGING: Box: 6 x (Roll 5 m)

COLOR: Red



DATA SHEET

Hydro-expansive rubber waterstops



SEALGUM 20.05

4006 9000

Hydro-expanding waterstop sealant with a special mix of natural and synthetic rubbers and hydrophilic agents: in contact with water, it increases up to triple its volume compared to the original size. SEALGUM 20.05 is a simple waterstop easy to use, not requiring particular preparation on the supports, pre-shaped compartments, etc.

CONSUMPTION: 1,02 m/m

PACKAGING: Box: 5 x (Roll 10 m)

COLOR: Blue



DATA SHEET



SEALGUM 20.10

4006 9000

Sealing waterstop based on a special mixture of natural and synthetic rubbers and hydro-expansive hydrophilic agents: in contact with water, it increases its volume up to over 3 times the original size. SEALGUM 20.10 is a simple and easy to install sodium bentonite waterstop; does not require any special preparations of the media, pre-shaped seats etc.

CONSUMPTION: 1,02 m/m

PACKAGING: Box: 9 x (Roll 10 m)

COLOR: Blue



DATA SHEET

» Hydro-expansive rubber waterstops



SEALGUM 20.20

4006 9000

Sealing waterstop based on a special mixture of natural and synthetic rubbers and hydro-expansive hydrophilic agents: in contact with water, it increases its volume up to over 3 times the original size. SEALGUM 20.20 is a simple and easy to apply sodium bentonite waterstop; it does not require any special preparations of the media, pre-shaped seats etc.

CONSUMPTION: 1,02 m/m

PACKAGING: Box: 9 x (Roll 5 m)

COLOR: Blue



DATA SHEET

Productos para la fijación de juntas de estanqueidad hidroexpansivas



BENTONET

7326 9098

Trapezoid preshaped steel square mesh cage open only on one side, to be used to encourage correct positioning of the CLAYSEAL 25.20 sodium bentonite waterstops, and to prevent the displacement from the seat provided, especially in complex situations or on surfaces which are not perfectly prepared. Once the joint is inserted, BENTONET will have to be fixed to the concrete support using steel nails and washers every 20-25 cm.

CONSUMPTION: 1 m/m

PACKAGING: Bulk material 1 m

COLOR: Steel



DATA SHEET



PROSEAL FIX

3506 1000

Permanently elastic, modified silane-based polymeric adhesive for sealing gaskets, joints and curbs, of both bentonitic (e.g. CLAYSEAL 25.20, CLAYSEAL 25.20 SW) and hydro-expansive rubber (e.g. SEALGUM 20.05), for waterproofing cast elements. The adhesive is a substitute for the more traditional nailing of sealants.

(To be extruded with a special gun: EXTRUDER GUN FOR 300 CC CARTRIGES - pag. 128)

CONSUMPTION: 0.15 cartridges of PROSEAL FIX for every linear metre of bentonite or hydro-expansive rubber waterstop to be bonded

PACKAGING: Cartridge 290 cc

COLOR: Gray



DATA SHEET

Granular sodium bentonite



CLAYGRAIN

 2508 1000

CLAYGRAIN is a dissolved, anhydrous sodium bentonite powder, characterised by a montmorillonite content in excess of 95%, with low yield-point (proof). The product should be used as it is, to increase the amount of bentonite in punctual areas, or mixed with cement and water or just water to obtain a slightly expansive waterproofing mortar, suitable for smoothing any crawl spaces in the concrete prior to laying and refilling the CLAYTEX bentonite sheet.

CONSUMPTION: Product to buy as needed

PACKAGING: Bag 25 kg

COLOR: Beige



DATA SHEET

PVC waterstop profiles for casting and expansion joints



SEALPVC RG 250

 3925 9010

The SEALPVC RG 250 waterstop is a waterproofing PVC profile that is not hydro-expansive, having a thickness of 25 cm and high elasticity. It is used in static joints for horizontal (slabs) or vertical (elevation walls) constructions, in concrete structures, in the central position of the cast.

CONSUMPTION: 1,01 m/m

PACKAGING: Roll 25 m

COLOR: Light blue



DATA SHEET



SEALPVC RG 250 BULB

 3925 9010

The SEALPVC RG 250 BULB waterstop is a waterproofing PVC profile that is not hydro-expansive, having a thickness of 25 cm with a central and highly elastic bulb. It is used in dynamic joints for horizontal (slabs) or vertical (elevation walls) constructions, in concrete structures, in the central position of the cast.

CONSUMPTION: 1,01 m/m

PACKAGING: Roll 25 m

COLOR: Light blue



DATA SHEET

» PVC waterstop profiles for casting and expansion joints



SEALPVC SF 240

3925 9010

The SEALPVC SF 250 waterstop is a waterproof profile in PVC that is not hydro-expansive, having a thickness of 24 centimetres and high elasticity. It is used in static joints for horizontal casting (slabs), in concrete structures, resting on the substrate beneath the reinforcement.

CONSUMPTION: 1,01 m/m

PACKAGING: Roll 25 m

COLOR: Light blue



DATA SHEET



SEALPVC SF 240 BULB

3925 9010

The SEALPVC SF 240 BULB waterstop is a waterproofing PVC profile that is not hydro-expansive, having a thickness of 24 centimetres and equipped with a central and highly elastic bulb. It is used in dynamic joints for horizontal casting (slabs), in concrete structures, resting on the substrate beneath the reinforcement, in a position central to the casting.

CONSUMPTION: 1,01 m/m

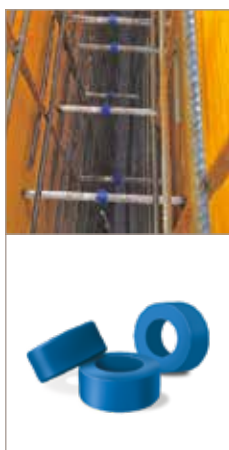
PACKAGING: Roll 25 m

COLOR: Light blue



DATA SHEET

Hydro-expansive seals for formwork spacers and through-pipes



RINGSEAL IR 08

3926 9097

RINGSEAL IR 08 is a ring gasket in special hydro-expansive rubber that reacts upon contact with water, increasing its initial volume. Used in combination with an 8-mm diameter iron formwork spacer (rebar), RINGSEAL IR 08 hermetically seals any conduit discontinuities that could easily form in the concrete due to the presence of the spacer and which would compromise the waterproofing of the masonry itself. The hydro-expansive capacity of RINGSEAL IR 08 has been laboratory tested with three different types of water: demineralised, salt and with a highly basic pH (to simulate conditions in contact with concrete). The expansion tests showed a variation in volume ranging from a minimum of around 200% with salt water (three times the initial volume) to a maximum of over 900% with demineralised water.

CONSUMPTION: N. 1 RINGSEAL IR 08 gasket for each "rebar" iron formwork spacer

PACKAGING: Small bag 200 unit

COLOR: Blue



DATA SHEET





RINGSEAL L19

3926 9097

RINGSEAL L19 is a rectangular gasket with a central hole of 19 mm x 2 mm, made with a special hydro-expansive rubber that reacts in contact with water by increasing its initial volume. RINGSEAL L19, used in combination with a normal metal spacer for moulds made of wood ("blade"), hermetically seals the discontinuities which could easily settle in the concrete due to the presence of the spacers; these discontinuities could in many cases pass from one side of the masonry to the other, and which then might seriously compromise the watertightness of the masonry itself.

(to be installed with RINGSEAL PINZA K4: pag. 48)

CONSUMPTION: N° 1 RINGSEAL L19 gasket for each "blade" formwork spacer

PACKAGING: Small bag 200 unit

COLOR: Blue



DATA SHEET



RINGSEAL T21

3926 9097

RINGSEAL T21 is a ring gasket made with a special hydro-expansive rubber that reacts upon contact with water, increasing its initial volume. Used in combination with a tubular spacer for metal formwork with a diameter of 22 mm, RINGSEAL T21 hermetically seals any discontinuities in conduits that could easily settle in the concrete due to the presence of the spacer and which would compromise the impermeability of the masonry itself. The hydro-expansive capacity of RINGSEAL T21 has been laboratory tested with three different types of water: demineralised, salt and with a highly basic pH (to simulate conditions in contact with concrete). The expansion tests showed a variation in volume ranging from a minimum of around 200% with salt water (three times the initial volume) to a maximum of over 900% with demineralised water.

CONSUMPTION: N. 1 RINGSEAL T21 gasket for each tubular formwork spacer

PACKAGING: Small bag 100 unit

COLOR: Blue



DATA SHEET



CORKSEAL T21

3926 9097

CORKSEAL T21 is a special hermetic sealing device for tubular formwork spacers of 22 mm in diameter, consisting of a rigid polyamide plastic core and a corrugated cap in hydro-expansive rubber. The core of CORKSEAL T21 is surrounded by special circular blades that ensure a mechanical seal at high pressure, so that the sealing element is not removed from its position even upon there being a negative thrust. The hydro-expansive cap of CORKSEAL T21 is, rather, intended to guarantee the hermetic sealing of the inside of the tubular spacer. It is fitted into the hole produced by the tubular spacer, by simple striking.

CONSUMPTION: N. 1 cap of CORKSEAL T21 for each formwork spacer provided, preferably on the side where the water exerts positive thrust

PACKAGING: Small bag 100 unit

COLOR: Blue



DATA SHEET



» Hydro-expansive seals for formwork spacers and through-pipes



CORKSEAL T24

3926 9097

CORKSEAL T24 is a special hermetic sealing device for tubular formwork spacers of 24 mm in diameter, consisting of a rigid polyamide plastic core and a corrugated cap in hydro-expansive rubber. The core of CORKSEAL T24 is surrounded by special circular blades that ensure a mechanical seal at high pressure, so that the sealing element is not removed from its position even upon there being a negative thrust. The hydro-expansive cap of CORKSEAL T24 is, rather, intended to guarantee the hermetic sealing of the inside of the tubular spacer. It is fitted into the hole produced by the tubular spacer, by simple striking.

CONSUMPTION: N. 1 cap of CORKSEAL T24 for each formwork spacer provided, preferably on the side where the water exerts positive thrust

PACKAGING: Small bag 100 unit

COLOR: Blue



DATA SHEET



BELTSEAL 110 - 125

4006 9000

BELTSEAL 110/125 is a gasket "belt" produced with a special hydro-expansive rubber that reacts upon coming into contact with water that increases its initial volume. Thanks to its geometry, BELTSEAL 110/125 is very quickly applied directly to PVC piping with a diameter between 110 and 125 mm, without additional processing. It hermetically seals any discontinuities that could easily be found in the concrete due to the presence of PVC conduit pipes. In many cases, such discontinuities could pass from one side of the masonry to the other and thus seriously compromise the waterproofing of the masonry itself.

CONSUMPTION: N. 1 BELTSEAL 110/125 gasket for each conduit pipe to be sealed

PACKAGING: Box 180 unit

COLOR: Blue



DATA SHEET

Expansion pliers for RINGSEAL L19 gaskets



RINGSEAL PINZA K4

8203 2000

Special dilating pliers with three noses, to facilitate the installation of the rectangular seals RINGSEAL L19 in a central position with respect to the metal blade caisson spacers for wood formwork.

CONSUMPTION: Product to buy as needed

PACKAGING: Bulk material 1 unit

COLOR: Black



DATA SHEET

Plastic and elasto-plastic sealants



PROTECH FLEX

3909 5090

A single-component, moisture-curing and fast-hardening polyurethane sealant with a medium-to-high modulus of elasticity, remaining permanently elastic yet with high surface hardness and being tear- and weather-resistance and paintable. Ideal for the deformable sealing of expansion joints on terraces and balconies, for filling joints on prefabricated walls and on wooden, steel, aluminium, copper and plastic materials along with plasters and so on.

(to be extruded with a special gun: EXTRUDER GUN FOR 300 CC CARTRIDGES) - pag. 128)

CONSUMPTION: Indicative consumption with a 300 cc PROTECH FLEX cartridge:

5x2,5 mm joint = 20 linear metres; 10x5 mm joint = 6 linear metres;

15x7,5 mm joint = 2,5 linear metres; 20x10 mm joint = 1.5 linear metres

PACKAGING: Cartridge 300 - 600 cc

COLOR: Gray - White - (Black on request)



EN 15651-1 EN 15651-4



DATA SHEET



PROTECH FLEX PRIMER

3909 5090

A polyurethane bonding primer for preparing the subsequent filling of the joints with single-component polyurethane sealants in a cartridge (PROTECH FLEX or PROTECH SIGILFLEX MONO) or a two-component product (EG 91) on concrete and masonry surfaces.

CONSUMPTION: 0.02 kg of PROTECH FLEX PRIMER for every linear metre of joint to be treated

PACKAGING: Canister 1 kg

COLOR: Amber



DATA SHEET



PROTECH SIGILFLEX MONO

3909 5090

Single-component sealant with a base of hygro-hardening aromatic polyurethane resins. Cross-linking leads to the formation of an elastic and tenacious film with very good chemical resistance to water, oil and hydrocarbons along with aviation gasolines. It adheres to different media: concrete, ceramic, steel sheets, wood, synthetic media, glass and copper. Ideal for the deformable sealing of expansion joints, it can be painted using specific products.

(to be extruded with a special gun: EXTRUDER GUN FOR 533 OR 600 CC CARTRIDGES - pag. 128)

CONSUMPTION: Indicative consumption with a 600 cc product cartridge

5x5 mm joint = 20 linear metres; 10x10 mm joint = 6 linear metres;

15x10 mm joint = 4 linear metres; 20x10 mm joint = 3 linear metres

PACKAGING: Small bag 600 cc

COLOR: Gray



EN 15651-1 EN 15651-4



DATA SHEET

» Plastic and elasto-plastic sealants



EG 91

3909 5090

Epoxy-polyurethane two-component elastoplastic and thixotropic sealant, for joints subject to traffic, where Shore A Hardness Scale = 65. The elongation-at-break is 70%. To be applied with a trowel or extruded into the suitably-taped sections of the joint (to protect adjacent surfaces). Resistant to contact with hydrocarbons (gasoline and diesel fuel).

CONSUMPTION: 1.25 kg of EG 91 per cubic decimetre of joint volume to be sealed

PACKAGING: Pail 6 kg [A] + Pail 1 kg [B] = Kit: 7 kg [A+B]

COLOR: Gray



DATA SHEET



FLEXSEAL 300

3909 5090

A hydro-expansive polyurethane sealant in a thixotropic paste, pre-packaged in an extrudable cartridge with standard dosing guns, to be utilised as a waterstop in the most complex or problematic situations in waterproofing below-ground areas. Its elastic and sealing properties remain unchanged over time.

(To be extruded with a special gun: EXTRUDER GUN FOR 300 CC CARTRIDGE - pag. 128).

CONSUMPTION: From 0.15 to 0.30 cartridges of FLEXSEAL 300 for each linear metre to be sealed

PACKAGING: Cartridge 300 cc

COLOR: Red



DATA SHEET

Plastic sealant putty for waterproofing pipes with through-cables



SYNTECH STOPAQ

3214 9000

Mono-component Sealant compound, permanently plastic, slightly warm (+10% in volume in contact with water), for waterproofing underground holes, through which one or many wires and/or technical pipes pass, in masonry structures. It is extruded around the cables passing using specific dosing gun for 600 ml bags, and then covered with thixotropic mortar REPAR TIX G2.

(To be extruded with a special gun: EXTRUDER GUN FOR 533 o 600 CC CARTRIDGE - pag. 128)

CONSUMPTION: 1.7 cartridges of SYNTECH STOPAQ for each cubic decimetre of volume to be filled.

PACKAGING: Cartridge 533 cc

COLOR: Green



DATA SHEET



Butyl rubber adhesive strip for rigid joints and connections



PROBAND

 5603 1410

Cold applied water-repellent adhesive tape, composed of a layer with visco-elastic butyl rubber consistency, coated with a polypropylene non-woven fabric, for elastic waterproofing of non-structural joints in balconies, terraces, etc. Size of the strap: 80 mm x 0.9 mm.

CONSUMPTION: 1,01 m/m

PACKAGING: Roll 10 m

COLOR: Gray



DATA SHEET

Strips for expansion joints in thermo-plastic material with lateral bands in non-woven fabric



ELASTOTEX 120 CLOTH

 5603 1410

Waterproof butt strap, consisting of a expandable elastomeric rubber, entirely coated on both sides with absorbent fabric, with an overall width of 12 cm. The product is distinctive for its simple and easy application, the ascertained watertightness to water and the high deformation capacity.

CONSUMPTION: 1,01 m/m

PACKAGING: Roll 10 - 50 m

COLOR: Gray



DATA SHEET



ELASTOTEX 170

 5603 9490

Strap with high resilience and resistance, with an overall width of 17 cm, consisting of a special thermoplastic elastomeric layer, resistant to ageing and wear and tear, and two lateral bands in non-woven polypropylene fabric. Perfect for waterproofing hydraulic sealing expansion joints in buildings, works and structures below aquifer level or to ensure the water-tightness of structural connections even off the ground.

CONSUMPTION: 1,01 m/m

PACKAGING: Roll 30 m

COLOR: Gray



DATA SHEET

» Strips for expansion joints in thermo-plastic material with lateral bands in non-woven fabric



ELASTOTEX 220

 5603 9490

Strap with high resilience and resistance, with an overall width of 22 cm, consisting of a special thermoplastic elastomeric layer, resistant to ageing and wear and tear, and two lateral bands in non-woven polypropylene fabric. Perfect for waterproofing hydraulic sealing expansion joints in buildings, works and structures below aquifer level or to ensure the water-tightness of structural connections even off the ground.

CONSUMPTION: 1,01 m/m

PACKAGING: Roll 30 m

COLOR: Gray



DATA SHEET



ELASTOTEX 325

 5603 9490

Strap with high resilience and resistance, with an overall width of 32.5 cm, consisting of a special thermoplastic elastomeric layer, resistant to ageing and wear and tear, and two lateral bands in non-woven polypropylene fabric. Perfect for waterproofing hydraulic sealing expansion joints in buildings, works and structures below aquifer level or to ensure the water-tightness of structural connections even off the ground.

CONSUMPTION: 1,01 m/m

PACKAGING: Roll 30 m

COLOR: Gray



DATA SHEET



ELASTOTEX 550

 5603 9490

Strap with high resilience and resistance, with an overall width of 55 cm, consisting of a special thermoplastic elastomeric layer, resistant to ageing and wear and tear, and two lateral bands in non-woven polypropylene fabric. Perfect for waterproofing hydraulic sealing expansion joints in buildings, works and structures below aquifer level or to ensure the water-tightness of structural connections even off the ground.

CONSUMPTION: 1,01 m/m

PACKAGING: Roll 30 m

COLOR: Gray



DATA SHEET



Hypalon strip for expansion joints with very high elasticity



ELASTOTEX 250 COMBI

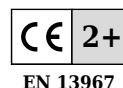
3920 1089

Strap with high resilience and resistance, with an overall width of 25 cm, consisting of a special elastomeric layer in Hypalon, resistant to aging and wear and tear, for use in combination with the epoxy resins paste SYNTECH AS 21 or SYNTECH AS 31, for waterproofing watertight expansion joints in buildings, works and structures below the aquifer level or to ensure the water sealing of structural connections even off the ground. Specific applications for industrial or infrastructural use.

CONSUMPTION: 1,01 m/m

PACKAGING: Roll 20 m

COLOR: Gray



DATA SHEET

Polyethylene foam cables (Filtene) for filling the base of joints



FILTENE FONDOGIUNTO

3925 9010

Closed cell polyethylene foam kerb, compressible, to properly size the depth of the expansion joints (creation of the "third wall" or base material) before filling them with the polymeric sealants PROTECH FLEX, PROTECH SIGILFLEX MONO or EG 91. It is available in profiles of circular cross-section of different diameter that will fit joints of any shape and size.

CONSUMPTION: N° 1 metre of FILTENE FONDOGIUNTO for each linear metre of joint

PACKAGING: Ø 10 - 15 - 30 mm - Roll 25 m

COLOR: Dark Gray

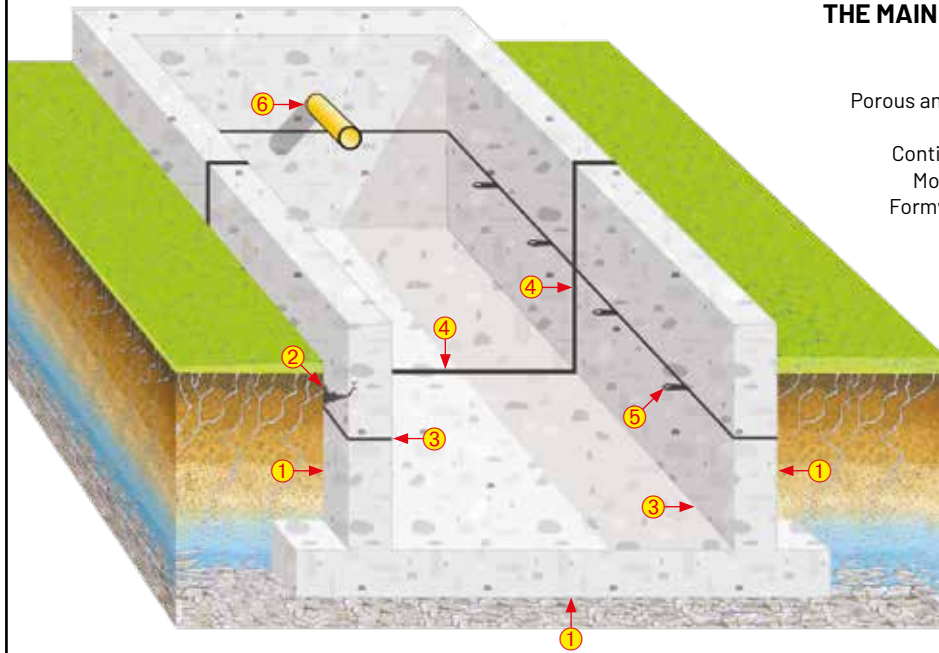


DATA SHEET



1. - 2. CLAYTEX 120 - 3. - 4. CLAYSEAL 25.20

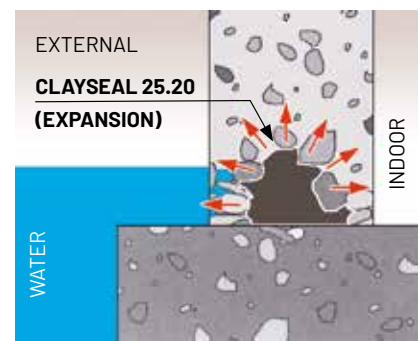
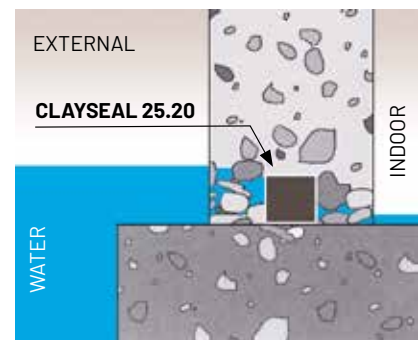
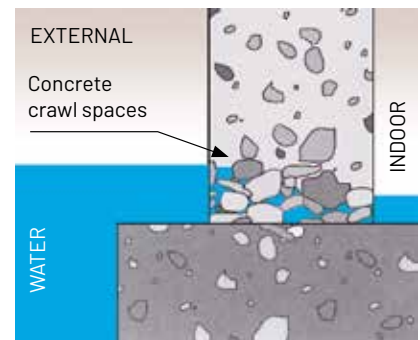
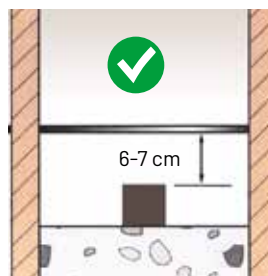
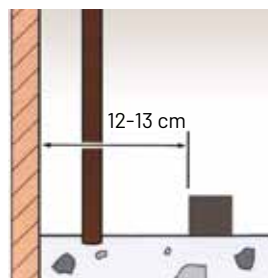
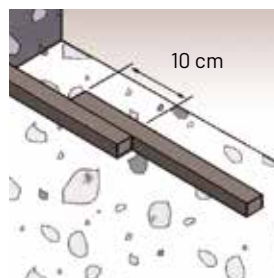
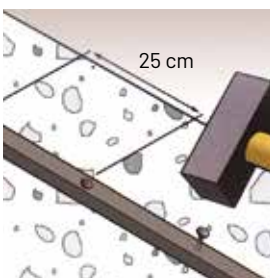
THE MAIN CAUSES OF WATER INFILTRATION IN UNDERGROUND PREMISES



- Porous and inconsistent concrete (Crawl spaces) (1)
- Cracks (2)
- Continuation of horizontal and vertical casts (3)
- Movement of horizontal and vertical joints (4)
- Formwork spacers (blade and tubular in PVC) (5)
- Water infiltration around tubing (6)



CLAYSEAL 25.20 / CLAYSEAL 25.20 SW (METHOD OF USE)



SYNTECH



POLYURETHANE, POLYUREA AND EPOXY RESINS



SYNTECH HAG system: polyurethane hydro expansive resins and related accessories



SYNTECH HAG ECO

3909 5090

Mono-component, enabled for contact with drinking water, semi-flexible, expanding (increases its initial volume of about 20 times) polyurethane resin, free from solvents, perfect for sealing small and large water leaks in the concrete or in solid masonry in general by injection. Perfect for filling large voids and loose stone foundations inside the walls.

CONSUMPTION: Variable

PACKAGING: Can 25 kg [A] + Plastic can 2,3 kg [B] = Kit: 27,3 kg [A+B]

COLOR: Amber



DATA SHEET



SYNTECH HAG FLEX

3909 5090

Mono-component semi-flexible, expanding (increases its initial volume of about 10 times) polyurethane resin, free from solvents, perfect for sealing small and large water leaks in the concrete or in solid masonry in general by injection. Perfect for filling and sealing small cavities, joints and discontinuities subject to movement.

CONSUMPTION: Variable

PACKAGING: Can 25 kg [A] + Plastic can 2,3 kg [B] = Kit: 27,3 kg [A+B]

COLOR: Amber



DATA SHEET



SYNTECH HAG CLEANER

3403 1980

Cleaning agent specific for the necessary equipment during operations of injections to stop the infiltration of water in the buildings. Oily rinsing detergent, low toxicity, high solvent capacity for non-hardened polyurethanes, to clean and lubricate the internal pumping hydraulic circuits of both manual and electric pumps. It replaces acetone, methylene chloride and other detergents commonly used.

CONSUMPTION: Product to buy as needed

PACKAGING: Can 10 kg

COLOR: Transparent tending pale yellow



DATA SHEET



SYNTECH HAG INIETTORE 120

 8481 3091

12 cm in length and 13 mm in diameter, this rubber and steel injector is to be inserted in line with the damage, cracks, loose foundations, joints, cavities and so on, then waterproofed through the use of SYNTECH HAG ECO and SYNTECH HAG FLEX hydro-expansive polyurethane resins, specifically for immediately stopping water infiltration. Equipped with a "flat head" with non-return valve, it is used in conjunction with the SYNTECH HAG CONNETTORE.

CONSUMPTION: Product to buy as needed

PACKAGING: Bulk material 1 unit

COLOR: Steel



DATA SHEET



SYNTECH HAG INIETTORE 170

 8481 3091

17 cm in length and 16 mm in diameter, this rubber and steel injector is to be inserted in line with the damage, cracks, loose foundations, joints, cavities and so on, then waterproofed through the use of SYNTECH HAG ECO and SYNTECH HAG FLEX hydro-expansive polyurethane resins, specifically for immediately stopping water infiltration. Equipped with a "flat head" with non-return valve, it is used in conjunction with the SYNTECH HAG CONNETTORE.

CONSUMPTION: Product to buy as needed

PACKAGING: Bulk material 1 unit

COLOR: Steel



DATA SHEET



SYNTECH HAG CONNETTORE

 8413 9100

Specific accessory for use in conjunction with the flat head injectors, for sealing the infiltration of water through the use of specific water-reactive polyurethane resins SYNTECH H.A.G., with hand and electrical pumps.

CONSUMPTION: Product to buy as needed

PACKAGING: Bulk material 1 unit

COLOR: Steel



DATA SHEET

» SYNTECH HAG system: polyurethane hydro expansive resins and related accessories



SYNTECH HAG POMPA AZ-PT/B

8413 2000

Manual single-piston pump, self priming, simple effect, to inject polyurethane and epoxy fluid resins. The maximum pressure that can be delivered by the pump is 40 bar. The flow rate is 1 litre in 55 cyclesi.

CONSUMPTION: Product to buy as needed

PACKAGING: Bulk material 1 unit

COLOR: Black



DATA SHEET

Plastic sealant putty for waterproofing pipes with through-cables



SYNTECH STOPAQ

3214 9000

Mono-component Sealant compound, permanently plastic, slightly warm (+10% in volume in contact with water), for waterproofing underground holes, through which one or many wires and/or technical pipes pass, in masonry structures. It is extruded around the cables passing using specific dosing gun for 600 ml bags, and then covered with thixotropic mortar REPAR TIX G2.

(To be extruded with a special gun: EXTRUDER GUN FOR 533 o 600 CC CARTRIDGE - pag. 128)

CONSUMPTION: 1.7 cartridges of SYNTECH STOPAQ for each cubic decimetre of volume to be filled

PACKAGING: Cartridge 533 cc

COLOR: Green



DATA SHEET



Epoxy-based liquid mortars, resins and stucco



SYNTECH AS 21

3907 3000

Two-component structural adhesive epoxy filler, with soft consistency, thixotropic, easy to spread (malleable paste), for the anchorage of steel connectors, the hermetic closure of through holes in concrete, bonding steel plates on concrete supports, as accessory product for laying road joints, for the reconstruction of wooden heads, crack repair, reconstruction of missing geometries, fixing injectors, reconstruction of joints in concrete floorings etc.

CONSUMPTION: 1.6 kg of SYNTECH AS 21 for each cubic decimetre of volume to be grouted

PACKAGING: 1 Canister 1 kg [A] + 1 Canister 1 kg [B] = Kit: 2 kg [A+B]

1 Can 5 kg [A] + 1 Can 5 kg [B] = Kit: 10 kg [A+B]

COLOR: Gray



EN 1504-4



DATA SHEET



SYNTECH AS 31

3907 3000

The two-component structural epoxy adhesive putty is soft, thixotropic and spatulable (malleable paste), ideal for anchoring steel connectors, hermetically sealing through-holes in concrete, bonding steel plates on concrete surfaces, as an accessory product for laying road joints, for the reconstruction of wooden beam heads, repairing cracks and reconstructing missing geometries, fixing injectors, reconstructing joints in concrete flooring and fixing ELASTOTEX 250 COMBI elastic strips, including when in contact with water destined for human consumption.

CONSUMPTION: 1.6 kg of SYNTECH AS 31 for each cubic decimetre of volume to be grouted

PACKAGING: 1 Canister 1 kg [A] + 1 Canister 0,5 kg [B] = Kit: 1,5 kg [A+B]

1 Can 5 kg [A] + 1 Can 2,5 kg [B] = Kit: 7,5 kg [A+B]

COLOR: Gray



EN 1504-4



DATA SHEET



SYNTECH IC 55

3907 3000

A two-component pure epoxy adhesive that is fluid with a low viscosity, free from fillers and solvents, being specific for high performance structural consolidation injections in crumbling masonry, degraded concrete, aging screeds and industrial flooring, cracked plasters and mortars and so on. It is ideal for securing bars, clamps and tie-rods. It is also perfect for the deep consolidation of wooden materials and other types of porous materials, with impregnation by brush or roller.

CONSUMPTION: 1.1 kg of SYNTECH IC55 for each cubic decimetre of volume to be filled

PACKAGING: Can 1 kg [A] + Can 0,5 kg [B] = Kit: 1,5 kg [A+B]

Can 5 kg [A] + Can 2,5 kg [B] = Kit: 7,5 kg [A+B]

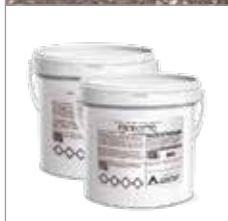
COLOR: Transparent tending pale yellow



EN 1504-6



DATA SHEET



SYNTECH RGS

3907 3000

A fluid, medium-viscous epoxy adhesive for the structural casting of joints (new conglomerates on existing structures). After careful mixing, the two-component compound must be applied on the existing concrete by brush or roller, a few minutes before applying the new conglomerate ("wet-on-wet").

CONSUMPTION: Apply from 0.30 to 0.70 kg of SYNTECH RGS per square metre of surface to be treated

PACKAGING: Can 5 kg [A] + Can 1,5 kg [B] = Kit: 6,5 kg [A+B]

Can 10 kg [A] + Can 3 kg [B] = Kit: 13 kg [A+B]

COLOR: Transparent



EN 1504-4



DATA SHEET

» Epoxy-based liquid mortars, resins and stucco



SYNTECH EPOX TIMBER

3907 3000

SYNTECH EPOX TIMBER is a liquid, transparent, two-component epoxy resin for incorporating thick objects, mass filled casting and the treatment of wood. Its self-levelling and non-yellowing nature, along with its scratch-resistance and fluid consistency, render it ideal for pouring and for filling any voids. The final effect of SYNTECH EPOX TIMBER is a smooth and even surface with a transparency similar to glass. It is also possible to colour the product with specific pigments to achieve a coloured transparent effect. It is advisable to conduct preliminary tests to achieve the desired aesthetic effect.

CONSUMPTION: 1.07 kg/ltr (1.070 kg/m³)

PACKAGING: Pail 2,25 kg [A] + Pail 0,75 kg [B] = Kit: 3 kg [A+B]
Pail 15 kg [A] + Pail 5 kg [B] = Kit: 20 kg [A+B]

COLOR: Transparent



DATA SHEET



SYNTECH GROUT EP

3907 3000

SYNTECH GROUT EP is a solvent-free fluid epoxy mortar consisting of epoxy resins, special additives and selected aggregates of varying granulometry to restore structures in reinforced concrete, concrete paving, to create rigid joints, high-strength anchors and bar grouting. It is easily applied via simple pouring, to create layers of up to 5 mm in thickness.

CONSUMPTION: 2 kilograms/square metre for each millimetre of thickness to be achieved

PACKAGING: Pail 10 kg [A] + Pail 2,1 kg [B] = Kit: 12,1 kg [A+B]

COLOR: Light Gray



EN 1504-3



DATA SHEET



EPOMALTA LC

3907 3000

A castable epoxy mortar, comprised of a two-component epoxy adhesive (A + B) to be integrated with a mixture of select mineral aggregates with a maximum diameter of 4 mm. It is used for anchoring, restoring industrial flooring, the localised regeneration of wooden beam heads, repairs and building reconstructions in general, to be completed by pouring on-site, after creating dedicated containment formwork suitably waterproofed with a release agent.

CONSUMPTION: 2 kg/m² of EPOMALTA LC is required for each cubic decimetre of volume to be reconstructed

PACKAGING: Can 1 kg [A] + Can 0,5 kg [B] + Pail 7,5 kg [C] = Kit: 9 kg [A+B+C]

COLOR: Light Gray



EN 1504-3



DATA SHEET

Epoxy and polyester-based chemical anchors in cartridge



SYNTECH PROFIX

3907 7000

A two-component paste with a polyester resin base for the rapid realisation of structural fasteners and anchors for inserts and connectors in general. This quick-setting resin (which hardens in just 6 minutes at 20° C) facilitates the use of metal inserts a mere 2.5 hours from installation.

(To be extruded with a special gun: EXTRUDER GUN FOR 400 CC CARTRIDGE - pag. 129)

CONSUMPTION: 1.72 kg of SYNTECH PROFIX for each cubic decimetre of volume to be filled

PACKAGING: Bi-mix cartridge 400 cc

COLOR: Amber



Part 5 OPTION 7



TR 029



DATA SHEET



SYNTECH FIX EP

3907 3000

SYNTECH FIX EP is a two-component adhesive with a ETAG 001 certified epoxy resin base, offering an elevated adhesive capacity and resistance to stresses from elevated loads, along with the rapid development of mechanical strength. It is suited to the anchoring and structural fastening of bars and metal elements on concrete surfaces, stone materials, brick, wood and building materials in general. SYNTECH FIX EP can also be utilised as a sealing agent between materials of different natures.

(To be extruded with a special gun: EXTRUDER GUN FOR 470 CC CARTRIDGE - pag. 129)

CONSUMPTION: Consult the technical staff.

PACKAGING: Bi-mix cartridge 470 ml

COLOR: Gray



Part 5 OPTION 1



TR 023



Annex E



DATA SHEET

Epoxy and polyurethane primers, treatments and coatings



SYNTECH PRIMER EP-W

3907 3000

SYNTECH PRIMER EP-W is a solvent-free two-component epoxy resin to be used as a bonding primer for applying all epoxy cycles on concrete surfaces and concrete conglomerates in general. SYNTECH PRIMER EP-W is formulated to achieve an elevated impregnation, consolidation and adhesion effect of the substrate. It can also be used on wet surfaces. SYNTECH PRIMER EP-W even penetrates deep into compact surfaces, effectively consolidating the support. It also has a great resistance to water and aggressive solutions whilst allowing water vapour to pass through.

CONSUMPTION: Use 150 to 200 grams per square metre per coat

PACKAGING: Can 1 kg [A] + Can 0,5 kg [B] = Kit: 1,5 kg [A+B]

Can 6 kg [A] + Can 3 kg [B] = Kit: 9 kg [A+B]

COLOR: Amber



EN 1504-4



DATA SHEET

» Epoxy and polyurethane primers, treatments and coatings



SYNTECH PRIMER EP-S

3907 3000

SYNTECH PRIMER EP-S is a two-component solvent-based epoxy resin, specifically formulated for the impregnation and consolidation of medium-porous substrates, including wet ones. It is applied on cement conglomerates, stone materials, wood, etc. preliminary to epoxy, polyurethane and methacrylic cycles.

CONSUMPTION: 350÷400 g/m² di SYNTECH PRIMER EP-S per mano

PACKAGING: Can 1 kg [A] + Can 1 kg [B] = Kit: 2 kg [A+B]

Pail 10 kg [A] + Pail 10 kg [B] = Kit: 20 kg [A+B]

COLOR: Amber



EN 1504-2



DATA SHEET



SYNTECH PAVICROM

3907 3000

A two-component coloured finish, with an epoxy resin base in aqueous dispersion. Ideal for the pigmented coating of industrial flooring and concrete products in general. Surfaces treated with SYNTECH PAVICROM are easy to clean and provide excellent resistance to mechanical wear, as well as having a high resistance to water, alkaline solutions, detergents and hydrocarbons (oils, diesel, petrol, etc.).

CONSUMPTION: In two coats, apply 0.25 to 0.40 kilograms of SYNTECH PAVICROM per square metre of surface to be covered

PACKAGING: Can 5 kg [A] + Can 1,5 kg [B] = Kit: 6,5 kg [A+B]

Can 10 kg [A] + Can 3 kg [B] = Kit: 13 kg [A+B]

COLOR: RAL 3000 (Flame Red) - RAL 7038 (Agate Gray)
(other RAL colors on request)



EN 1504-2



DATA SHEET



SYNTECH PAVIDAMP

3907 3000

A three-component formulation, with a fluid epoxy resin base in aqueous emulsion (A + B) to be mixed with the third component (C) consisting of white cement and micro-quartz, specially designed to be used as a primer for cementitious surfaces in the presence of humidity and in conditions of hydraulic counter-thrust. Generally referred to as "wet-bonding", it is particularly suitable as an anti-humidity barrier for the subsequent laying of parquet.

CONSUMPTION: From 0.30 to 0.60 kg for each square metre of surface to be covered

PACKAGING: Pail 2 kg [A] + Pail 2 kg [B] + Pail 6 kg [C] = Kit: 10 kg [A+B+C]

COLOR: White



EN 1504-2



DATA SHEET



SYNTECH PAVISHEER

3907 3000

A two-component epoxy system based on epoxy resins in aqueous dispersion and solvent-free. It is ideal for completing protective, transparent treatments with a consolidating action and anti-dust effect on industrial concrete flooring, with good mechanical and chemical resistance, especially in reference to contact with oils and solvents. This product also serves well as a primer for casting joints between old and new concrete flooring.

CONSUMPTION: From 0,15 to 0,30 kg/m², Variable according to the need and type of intervention

PACKAGING: Canister 1 kg [A] + Canister 1 kg [B] = Kit: 2 kg [A+B]

Can 5 kg [A] + Can 5 kg [B] = Kit: 10 kg [A+B]

Can 10 kg [A] + Can 10 kg [B] = Kit: 20 kg [A+B]

COLOR: Transparent



EN 1504-2



DATA SHEET



SYNTECH PAVISTRONG

3907 3000

A two-component coating with a modified epoxy resin base, specific for protecting concrete surfaces destined to be in contact with aggressive agents or for containing food products and drinking water. SYNTECH PAVISTRONG is certified according to EN 1504-2, for the protection of structures in reinforced concrete as well as for food contact, in accordance with the requirements of Ministerial Decree 21/03/73 and subsequent amendments.

CONSUMPTION: From 0.50 to 0.60 kg for each square metre of surface to be covered, for two coat applications (0.25-0.30 kg per single coat)

PACKAGING: Pail 5 kg [A] + Pail 1,25 kg [B] = Kit: 6,25 kg [A+B]

Pail 10 kg [A] + Pail 2,5 kg [B] = Kit: 12,5 kg [A+B]

COLOR: RAL 3000 (Flame Red),
RAL 7038 (Agate Gray)
(other RAL colors on request)



EN 1504-2



DATA SHEET



SYNTECH WATERPROOF PU

3909 5090

SYNTECH WATERPROOF PU is a single-component polyurethane, aliphatic, transparent and elastic coating utilised to waterproof terraces, balconies and roofing in general, even over old coatings such as ceramic or stone. SYNTECH WATERPROOF PU is resistant to UV rays, to yellowing, atmospheric agents, chemical components and alkalis, whilst maintaining elasticity and transparency over time. SYNTECH WATERPROOF PU protects and waterproofs ceramic, stone, brick, wood and plastic surfaces from infiltrations, freezing, smog and even acid rain. SYNTECH WATERPROOF PU can be utilised to create outdoor paving consisting in the use of marble and resin pebbles, the mixture of which is able to create a monolithic, non-slip and draining surface.

CONSUMPTION: 0,8 - 1,2 kg/m² di SYNTECH WATERPROOF PU (two/three layers of 1 mm each)

PACKAGING: Pail 5 - 10 - 20 kg

COLOR: Transparent



DATA SHEET

» Epoxy and polyurethane primers, treatments and coatings



SYNTECH FLEXIPUR

3909 5090

SYNTECH FLEXIPUR is a two-component aliphatic elastic polyurethane resin in the solvent phase, with excellent chemical resistance and flexibility, being ideal as a protective finish for reinforced concrete structures, both new and restored. SYNTECH FLEXIPUR is applied by roller or spray (airless), creating a film-forming coating with a high protective capacity and crack-bridging ability.

CONSUMPTION: 80-120 g/m² of SYNTECH FLEXIPUR for each hand (to be applied in two coats)

PACKAGING: Pail 7,5 kg [A] + Pail 2,5 kg [B] = Kit: 10 kg [A+B]

COLOR: Ral 7032 Gray - Ral 9016 White (other RAL colors on request)



EN 1504-2



DATA SHEET

SYNTECH POLIUREA system: polyurea resins and related accessories



SYNTECH POLIUREA PRIMER - EPOXY

3907 3000

SYNTECH POLIUREA PRIMER - EPOXY is a two-component primer based on modified epoxy resins and special hardeners, solvent-free. Specially formulated to provide the right compromise between impregnation and wettability of the support to which, once applied, it forms a well-bonded layer.

CONSUMPTION: From 350 to 700 g for each square metre

PACKAGING: Can 20 kg [A] + Canister 4 kg [B] = Kit: 24 kg [A+B]

COLOR: Milky white



DATA SHEET



SYNTECH POLIUREA PRIMER - EPOXY METAL

3907 3000

SYNTECH POLIUREA PRIMER - EPOXY METAL is a two-component primer based on epoxy resins without solvents used as a specific primer for metal surfaces.

CONSUMPTION: 0,20 kg for every square metre of surface to be treated

PACKAGING: Can 10 kg [A] + Can 5 kg [B] = Kit: 15 kg [A+B]

COLOR: Transparent / Neutral



DATA SHEET



SYNTECH POLIUREA PRIMER – PUR

3909 5090

SYNTECH POLIUREA PRIMER-PUR is a single-component polyurethane primer with a base of low viscosity solvent, polyurethane resins and special isocyanates that, once applied, form an elastic film that adheres to the substrate. The processing times of this product range from 90 to 120 minutes, based on the percentage of ambient humidity.

CONSUMPTION: From 80 to 120 grams of SYNTECH POLIUREA PRIMER-PUR for square metre of surface to be treated

PACKAGING: Can 20 kg

COLOR: Transparent / Neutral



DATA SHEET



SYNTECH POLIUREA SPRAY – N

3909 5090

SYNTECH POLIUREA SPRAY - N is a 100% pure polyurea of the aromatic type. It does not contain VOC and can only be applied by spraying using suitable bimixer machines which vaporise the material when hot. It is characterized by a high degree of elongation. SYNTECH POLIUREA SPRAY - N is a coating elastomer obtained from the reaction of an aromatic type isocyanate with an amine. Both materials are extremely fluid and with low viscosity and have the property of reacting very quickly.

CONSUMPTION: From 2,00 to 2,50 kg of SYNTYECH POLIUREA SPRAY - N for each square metre of surface to be covered

PACKAGING: Barrel 225 kg [A] + Barrel 205 kg [B] = Kit: 430 kg [A+B]

COLOR: Window Grey



EN 1504-2



DATA SHEET



SYNTECH POLIUREA SPRAY – FC

3909 5090

SYNTECH POLIUREA SPRAY - FC is a pure aromatic polyurea specifically designed for contact with food substances and drinking water. 100% solid does not contain VOC and can only be applied by spraying using suitable bimixer machines. It is aromatic and is characterized by a high degree of elongation. It is a coating elastomer obtained from the reaction of an aromatic type isocyanate with an amine. PURE POLYUREA SUITABLE FOR FOOD CONTACT.

CONSUMPTION: From 2,00 to 2,50 kg of SYNTYECH POLIUREA SPRAY - FC for each square metre of surface to be covered

PACKAGING: Barrel 225 kg [A] + Barrel 205 kg [B] = Kit: 430 kg [A+B]

COLOR: Transparent tending pale yellow



EN 1504-2



DATA SHEET

» SYNTECH POLIUREA system: polyurea resins and related accessories



SYNTECH POLIUREA SPRAY - FL

3909 5090

SYNTECH POLIUREA SPRAY - FL is a pure polyurea designed for the specific application on driveways and parking lots in general. 100% solid does not contain VOC and can only be applied by spraying using suitable bimixer machines. It is characterized by a high degree of elongation. It is a coating elastomer obtained from the reaction of an aromatic type isocyanate with an amine.

CONSUMPTION: From 2,00 to 2,50 kg of SYNTECH POLIUREA SPRAY - FL for each square metre of surface to be covered

PACKAGING: Barrel 225 kg [A] + Barrel 205 kg [B] = Kit: 430 kg [A+B]

COLOR: RAL 7040 (grey window)



EN 1504-2



DATA SHEET



SYNTECH POLIUREA TOP COATING

3909 5090

Protective, pigmented, two component aliphatic polyurethane resin based formulation, perfect for protective coating and aesthetic waterproofing performed with SYNTECH POLYUREA SPRAY. Characterised by high levels of elasticity and protection, even in the presence of aggressive atmospheres. Available on request in shades from the RAL colour range.

CONSUMPTION: 80-120 g/m² of SYNTECH POLIUREA TOP COATING for each square metre of surface to be covered

PACKAGING: Can 9,9 kg [A] + Can 2,1 kg [B] = Kit: 12 kg [A+B]

COLOR: RAL colors on request



DATA SHEET



1. Waterproofing of a movement joint on the slab of an underground room with hydro-expansive polyurethane resins (SYNTECH HAG FLEX); 2. Sophisticated and ultra-technological pumping equipment for the spray application of pure polyurea SYNTECH POLIUREA to be hot-vapourised; 3. Resin flooring of an underground car park (SYNTECH PAVIDAMP, SYNTECH PAVISHEER, SYNTECH PAVICROM).

RINFOR



SPECIAL PRODUCTS FOR REINFORCING SLABS,
MASONRY AND REINFORCED-CONCRETE
STRUCTURES



Alkaline-resistant fibreglass meshes



ARMAGLASS 160

7019 5900

An anti-cracking reinforcement mesh, based on alkaline-resistant fibreglass fibres for better distribution of tension and to prevent cracks from shrinkage, deriving from temperature variations, planar inhomogeneities, etcetera. With a weight of 160 g/m² and a 4 x 4 mm square mesh, ARMAGLASS 160 is the ideal fibreglass mesh for creating reinforced skim coats.

CONSUMPTION: 1,1 m/m²

PACKAGING: Roll 50 m² (1 mt x 50 mt)

COLOR: White



DATA SHEET



ARMAGLASS INTOTECH 225

7019 5900

A reinforcement mesh in alkali-resistant fibreglass weighing 225 g/m², with a 25 x 25 mm square mesh and thermosetting primer equal to about 10% of total weight. Easy and quick to apply, to handle and to cut. It combines lightness and thinness with excellent mechanical characteristics in the warp and weft. Resistant to atmospheric agents and aggressive environments. Suitable for any substrate and perfectly compatible with both cement- and lime-based mortars.

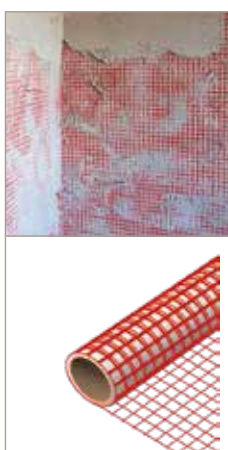
CONSUMPTION: 1,1 m/m²

PACKAGING: Roll 50 m² (1 mt x 50 mt)

COLOR: Black



DATA SHEET



ARMAGLASS STRUCTURA 115

7019 5900

115 g/m² structural reinforcement mesh in alkali-resistant fibreglass with 12 x 12 mm square mesh, containing >16% zirconium dioxide, constructed with a leno weave and primed with thermosetting polymer. It is straightforward and quick to apply, simple to handle and easy to cut. Resistant to atmospheric agents and aggressive environments, conferring durability to the composite systems in which it is used. Suitable for any substrate and perfectly compatible with both cement- and lime-based mortars. Perfect for strengthening reinforced plastering with an anti-overturning function along with the structural consolidation of masonry and vaulted structures.

CONSUMPTION: 1,1 m/m²

PACKAGING: Roll 50 - 100 m² (1 mt x 50 mt - 1 mt x 100 mt)

COLOR: Red



DATA SHEET



ARMAGLASS STRUCTURA 250

 7019 5900

280 g/m² structural reinforcement mesh with 25 x 25 mm square mesh, in alkali-resistant fibreglass, containing >16% zirconium dioxide, constructed with a leno weave and primed with thermosetting polymer. Certified mesh for the anti-detachment of flooring; easy and quick to apply, to handle and to cut. It combines lightness and thinness with excellent mechanical characteristics in the warp and weft. Resistant to atmospheric agents and aggressive environments, conferring durability to the composite systems in which it is used. Suitable for any substrate and perfectly compatible with both cement-based and lime-based mortars.

CONSUMPTION: 1,1 m/m²

PACKAGING: Roll 50 - 100 m² (1 mt x 50 mt - 1 mt x 100 mt)

COLOR: Red



DATA SHEET



ARMAGLASS STRUCTURA 330

 7019 5900

330 g/m² structural reinforcement mesh with 50 x 50 mm square mesh, in alkali-resistant fibreglass, containing >16% zirconium dioxide, constructed with a leno weave and primed with thermosetting polymer. It is straightforward and quick to apply, simple to handle and easy to cut. It combines lightness and thinness with excellent mechanical properties in terms of warp and weft. Resistant to atmospheric agents and aggressive environments, conferring durability to the composite systems in which it is used. Suitable for any substrate and perfectly compatible with both cement- and lime-based mortars.

CONSUMPTION: 1,1 m/m²

PACKAGING: Roll 50 - 100 m² (1 mt x 50 mt - 1 mt x 100 mt)

COLOR: Red



DATA SHEET

Alkali-resistant fibreglass connectors



ARMAGLASS CONNECTOR

 7016 9070

A preformed connector in GFRP, with an 8 mm diameter and L-shape, where the short side measures 10 cm and the long side is available in three different sizes of 20, 50 and 70 cm. The surface bears improved adhesion thanks to the presence of quartz inert filler with a diameter of 0.8 mm embedded in the matrix. ARMAGLASS CONNECTOR is used to mechanically connect ARMAGLASS mesh to various substrates (brick or stone walls, concrete, wood). It is perfectly compatible with any matrix utilised for grouting and with mortars based on air-setting or hydraulic binders.

CONSUMPTION: Product to buy as needed

PACKAGING: Ø 8 mm x 20 cm da 1 pz. - Ø 8 mm x 50 cm da 1 pz. - Ø 8 mm x 70 cm da 1 pz.

COLOR: White



DATA SHEET

» Alkali-resistant fibreglass connectors



ARMAGLASS CONNECTOR TWIN

7016 9070

Alkali-resistant fibreglass connector with rigid pre-formed central segment and double-threaded ends. Suitable for the structural reinforcement of brickwork, arches and vaults in masonry, tuff and stone, in combination with ARMAGLASS STRUCTURA fibreglass mesh and mortars such as UNISAN, INTOSANA and the REPAR family. It is used as a conduit for connecting the two sides of structural plaster (with the "structural sandwich" technique).

CONSUMPTION: Product to buy as needed

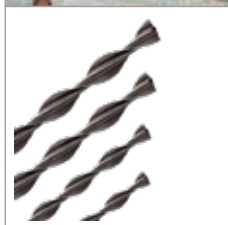
PACKAGING: 1 pz.: 20 x 20 x 20 cm - 20 x 30 x 20 cm - 20 x 40 x 20 cm
20 x 50 x 20 cm - 20 x 60 x 20 cm

COLOR: White



DATA SHEET

Stainless-steel helical bars



HELIX STEEL AISI 304

7222 3097

AISI 304 stainless-steel helical rod is cold drawn, with elevated mechanical benefits for reinforcing joints and connections, including through-holes, on masonry, reinforced concrete, arches and vaults. Suited to consolidating structures in seismic areas. Beneficial in conjunction with hydraulic binders (cement and hydraulic lime) and with resinous matrix binders, it particularly facilitates the achievement of physical-mechanical benefits in combination with UNISAN mortar, with products from the REPAR family, GROUT, and with the structural resins of the SYNTECH family.

CONSUMPTION: Product to buy as needed.

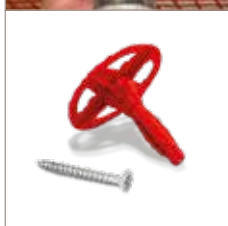
PACKAGING: Roll 10 m: Ø 6 - Ø 8 - Ø 10 - Ø 12

COLOR: Steel



DATA SHEET

Accessories for structural reinforcement systems



FLANGIA CON VITE

3925 9010

A nylon fastening flange (58 mm in diameter and 40 mm in length) with self-tapping screw in corrosion-resistant galvanised steel (30 mm) for connecting ARMAGLASS STRUCTURA mesh in anti-detachment RINFOR SYSTEM 1 and 2.

CONSUMPTION: No less than 4 pieces per square metre when a FLANGIA CON VITE is used in the RINFOR SYSTEMS 1 and 2 to prevent slab detachment

PACKAGING: Bulk material 1 unit

COLOR: Red



DATA SHEET



SQUADRETTA CON TASSELLI

7326 9060

Five-hole BRACKET in galvanised steel with nylon fastening dowels. It is a fundamental fastening accessory in the RINFOR SYSTEM 1 and 2 to prevent slab detachment.

CONSUMPTION: At least one BRACKET every 50 centimetres or so, with two fastening DOWELS (see RINFOR SYSTEM 1 and 2 in our technical literature)

PACKAGING: Bulk material 1 unit

COLOR: Steel



DATA SHEET

Epoxy and polyester-based chemical anchors in cartridge



SYNTECH PROFIX

3907 7000

A two-component paste with a polyester resin base for the rapid realisation of structural fasteners and anchors for inserts and connectors in general. This quick-setting resin (which hardens in just 6 minutes at 20° C) facilitates the use of metal inserts a mere 2.5 hours from installation.

(To be extruded with a special gun: EXTRUDER GUN FOR 400 CC CARTRIDGE - pag. 129)

CONSUMPTION: 1.72 kg of SYNTECH PROFIX for each cubic decimetre of volume to be filled

PACKAGING: Bi-mix cartridge 400 cc

COLOR: Amber



Part 5 OPTION 7



TR 029



DATA SHEET



SYNTECH FIX EP

3907 3000

SYNTECH FIX EP is a two-component adhesive with a ETAG 001 certified epoxy resin base, offering an elevated adhesive capacity and resistance to stresses from elevated loads, along with the rapid development of mechanical strength. It is suited to the anchoring and structural fastening of bars and metal elements on concrete surfaces, stone materials, brick, wood and building materials in general. SYNTECH FIX EP can also be utilised as a sealing agent between materials of different natures.

(To be extruded with a special gun: EXTRUDER GUN FOR 470 CC CARTRIDGE - pag. 129)

CONSUMPTION: Consult the technical staff.

PACKAGING: Bi-mix cartridge 470 ml

COLOR: Gray



Part 5 OPTION 1



TR 023



Annex E



DATA SHEET

High-performance fibre-reinforced castable micro concrete



RINFOR GROUT COL

3824 5090

RINFOR GROUT COL is a special two-component cementitious formulation, being fibre-reinforced with READYMESH technology, enriched with reactive microsilicates with very high pozzolanic activity and special crystalliser additives that increase the end result and the durability. Mixed with water, it is able to forge micro-concretes with pourable rheology. Once hardened, the product offers exceptional physical-mechanical and ductility values. Ideal for the reinforcement and seismic adaptation of flooring in reinforced concrete, brick-concrete or corrugated sheeting or wood, by constructing a thin extradosal structural screed along with beams, pillars, structural crosspoints and walls, by means of suitable liners.

CONSUMPTION: 22 kg/m² of RINFOR GROUT COL for every centimetre of thickness to be implemented

PACKAGING: n. 1 Bag 25 kg [A] + n. 1 Pail 1,25 kg [B] = 26,25 kg [A+B]

n. 4 Pail 25 kg [A] + n. 1 Pail 5 kg [B] = 105 kg [A+B]

n. 16 Pail 25 kg [A] + n. 1 Bag 20 kg [B] = 420 kg [A+B]

COLOR: Gray



EN 1504-6



EN 1504-3



DATA SHEET

High-performance plasters and skim coats



UNISAN

3824 5090

A composite mortar that is fibre-reinforced, consolidating, dehumidifying, grey in colour and utilised for the structural restoration of crumbling old or monumental masonry. It contains no substances that are potentially harmful to masonry and is composed of NHL 3.5 natural hydraulic lime and hydraulic binders free from soluble salts, along with silicas with pozzolanic activity, selected siliceous-calcareous aggregates, specific shrinkage-reducing agents and resistant alkaline READYMESH fibres that confer high flex-traction whilst increasing the performance of the mortar's fracture energy. In conjunction with ARMAGLASS STRUCTURA fibreglass mesh, it is ideal for the structural restoration of old walls or crumbling constructions.

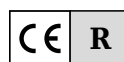
CONSUMPTION: 15 kg/m² of UNISAN for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Gray



EN 1504-3



EN 998-1



DATA SHEET



UNISAN BIANCO

3824 5090

A composite mortar that is fibre-reinforced, consolidating, dehumidifying, white in colour and utilised for the structural restoration of crumbling old or monumental masonry. It contains no substances that are potentially harmful to masonry and is composed of hydraulic binders free from soluble salts, along with silicas with pozzolanic activity, selected siliceous-calcareous aggregates, specific shrinkage-reducing agents and alkaline-resistant READYMESH fibres that offer a high bending-traction effect and increase the fracture energy of the mortar. In conjunction with ARMAGLASS STRUCTURA fibreglass mesh, it is ideal for the structural restoration of old walls or crumbling constructions.

CONSUMPTION: 15 kg/m² of UNISAN for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: White Ivory



EN 1504-3



EN 998-1



DATA SHEET



RASOCOAT

3824 5090

Premixed monocomponent powder compound, based on hydraulic binders, water-dispersible resins, selected siliceous and calcareous aggregates, specific agents, for the packaging, with the sole addition of water, of an adhesive thixotropic mortar for fine smoothing of elements in concrete, cementitious plasters, bastard mortar, plastic scratched, tiled coatings, HPFRC conglomerates and the bonding of expanded polystyrene and polystyrene insulation to masonry or old plaster, and polystyrene and glass fiber nets in the RINFOR SYSTEM 3 anti-tip system.

CONSUMPTION: As an adhesive: approximately 5.5 kg/m^2 .

As a reinforced skim: from 3 to 4 kg/m^2 in normal skimming coats, from 8 to 10 kg/m^2 in skimming coats for the RINFOR SYSTEM 3 anti-tip system

PACKAGING: Bag 25 kg

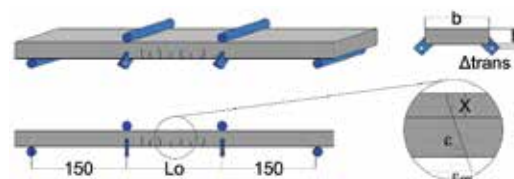
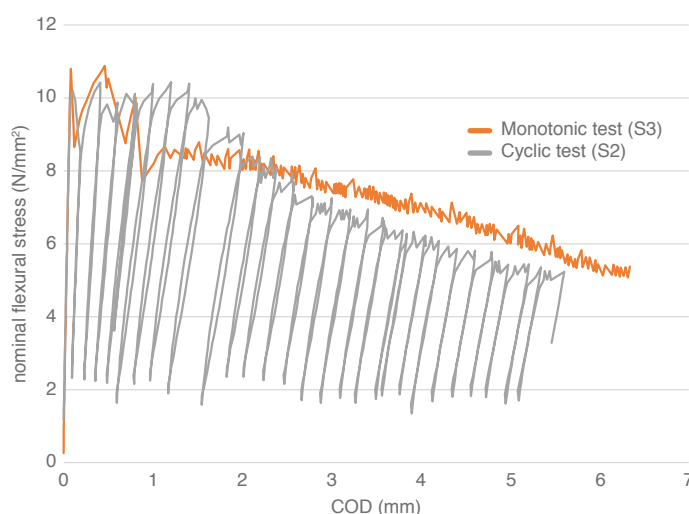
COLOR: Gray



EN 998-1



DATA SHEET

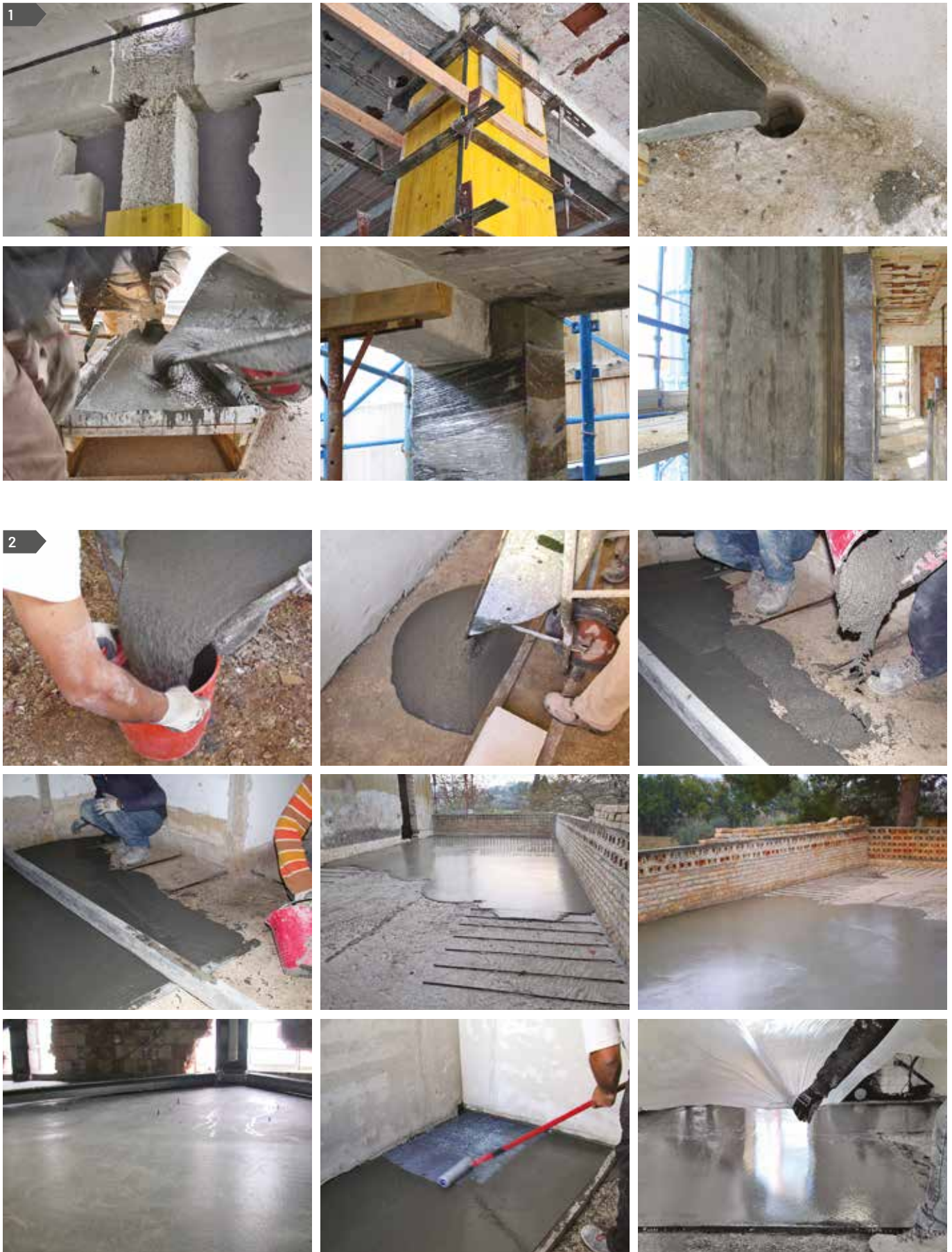


POLITECNICO DI MILANO

Department of Civil and Environmental Engineering

Above: Fresh consistency of the highly-performing RINFOR GROUT COL micro-concrete, fibre-reinforced with READYMESH technology, enriched with reactive micro-silicates with very high pozzolanic activity and special crystallising additives that increase the end benefits and durability.

Below: Image showing the exceptional physical-mechanical and ductility (fracture energy) values of RINFOR GROUT COL.



1. RINFOR GROUT COL: Proper preparation of the substrate, formwork of the pillar to be reinforced, material cast into the formwork from the extrados of the flooring, formwork stripping and suitable maturation treatment of the reinforced pillar.

2. RINFOR GROUT COL: An example of the correct mixing of the micro-concrete, preparation of the additional boundary and central reinforcement, material cast and levelled on the existing flooring after being duly prepared and cleaned, along with the necessary curing treatment of the thin layer with CURING AID and polyethylene sheets.

FLOORTECH



MICRO CONCRETES, LEVELLERS, HARDENING
POWDERS, SUB-FLOOR SCREEDS, ADHESIVES
AND COMPLEMENTARY PRODUCTS
FOR FLOORING



Extremely high-performance micro concretes for low-level adjustments and reconstructions on concrete flooring



FLOOR TENAX

3824 5090

FLOOR TENAX is a pourable, plastic/fluid, fibre-reinforced mortar for use in repairing deteriorated concrete flooring (with a reconstruction thickness from 4 mm to 20 mm) along with structural repairs of reinforced concrete cast in formwork. The formulation contains very fine yet high-strength cements, microsilica compounds with pozzolanic activity, rational granular aggregate composition curve (0.1-1.8 mm), special additives and a substantial amount of READYMESH fibre reinforcement. The product mixes with very low water/binder ratios (<0.32). The special formulation of FLOOR TENAX confers mechanical strength, fracture energy, exceptional durability and very high chemical-physical resistance to the repairs performed.

CONSUMPTION: 20 kg/m² di FLOOR TENAX for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Gray



EN 1504-3



EN 13813



DATA SHEET



FLOOR TENAX SFR

3824 5090

FLOOR TENAX SFR is a pourable, plastic/fluid fast-hardening mortar, usable for smoothing and repairs with a subtle thickness (from 4 mm to 20 mm) of deteriorated flooring and for the structural repairs of reinforced concrete with increased ductility. The formulation contains ultra-fine high-strength cements, microsilica compounds with pozzolanic activity, rational granular aggregate composition curve (0.1-1.8 mm), special additives and READYMESH MR-060 brass-plated metal microfibres. The special shape coefficient and particular surface conformation of this fibre confer to the artefact on which it is applied an exceptional reduction in hygrometric shrinkage, the dissipation of tension upon heavy stresses and high thermal conductivity. The product mixes with very low water/binder ratios (<0.32).

CONSUMPTION: 22 kg/m² di FLOOR TENAX SFR for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Gray



EN 1504-3



EN 13813



DATA SHEET



FLOOR Q

3824 5090

This rheoplastic, composite cementitious grout with controlled-shrinkage and super-fluid consistency is fibre-reinforced with a special mix of glass and polypropylene fibres, having a base of high-strength cements, polymeric modifiers, anti-shrinkage agents, super-pozzolanic reactive fillers and selected siliceous aggregates. Ideal for restoring the thickness of concrete removed by milling, of old concrete flooring (with a reconstruction thickness from 15 mm to 40 mm), along with dimensional adjustments, structural reintegration and so on.

CONSUMPTION: 19 kg/m² di FLOOR Q for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Gray



EN 1504-3



EN 13813



DATA SHEET



FLOOR Q SFR

3824 5090

This rheoplastic, composite cementitious grout with controlled-shrinkage and super-fluid consistency is fibre-reinforced with a special mix of steel (READYMESH MM-150) and polypropylene fibres, having a base of high-strength cements, polymeric modifiers, anti-shrinkage agents, super-pozzolanic reactive fillers and selected siliceous aggregates. It is ideal for restoring the thickness of concrete removed by milling, of old concrete flooring (with a reconstruction thickness from 15 mm to 40 mm), along with dimensional adjustments, structural reintegration and so on, where high resistance to static and dynamic stresses is required.

CONSUMPTION: 21,5 kg/m² di FLOOR Q SFR for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Gray



EN 1504-3



EN 13813



DATA SHEET

Self-levelling cement mortars (levellers)



FLOOR LEVEL

3824 5090

FLOOR LEVEL is a self-levelling modified-polymer cement mortar with fibre-reinforcement, offering accelerated grip and fast hardening. Applied prior to laying the flooring, it is perfect for levelling at thickness ranging from 3 mm to 15 mm so as to adapt to any type of covering.

CONSUMPTION: 1.7 kg/m² of FLOOR LEVEL for each millimetre of thickness to be made

PACKAGING: Bag 25 kg

COLOR: Gray



EN 13813



DATA SHEET



FLOOR LEVEL SFR

3824 5090

FLOOR LEVEL SFR is a self-levelling modified-polymer cement mortar having fibre-reinforcement with READYMESH MR-060, offering accelerated grip and fast hardening. Applied prior to laying the flooring, it is perfect for levelling at thicknesses ranging from 3 mm to 25 mm so as to adapt to any type of covering.

CONSUMPTION: 1.9 kilograms/square metre of FLOOR LEVEL SFR is needed for every millimetre of thickness to be achieved

PACKAGING: Bag 25 kg

COLOR: Gray



EN 13813



DATA SHEET

» Self-levelling cement mortars (levellers)



FLOOR LEVEL HP THERM

3824 5090

FLOOR LEVEL HP THERM is a self-levelling modified-polymer cement mortar having fibre-reinforcement, with high thermal conductivity, fast-acting hold and rapid hardening. Applied prior to laying the flooring, it is perfect for levelling at thicknesses ranging from 3 mm to 15 mm so as to adapt to any type of covering. Particularly suitable for radiant flooring.

CONSUMPTION: 1.8 kilograms/square metre of FLOOR LEVEL HP THERM is needed for every millimetre of thickness to be achieved

PACKAGING: Bag 25 kg

COLOR: Gray



EN 13813



DATA SHEET

Traditional and lightweight sub-floor screeds



SANASCREED

3824 5090

Ready-to-use conglomerate based on hydraulic lime, botticino, and siliceous aggregates, kaolin, and natural fibres, specifically for the construction, with the only addition of water, of resistant slabs and screeds, of normal weight, for ecological building interventions and in the restoration of vintage buildings and monuments.

CONSUMPTION: 17 kg/m² di SANASCREED for every centimetre of thickness to be implemented

PACKAGING: Bag 25 kg

COLOR: Light Hazelnut



EN 998-1



EN 13813



DATA SHEET



SANALIT

3824 5090

Ready-to-use, reinforced concrete conglomerate, based on hydraulic lime and granular perlite, for the construction, with only addition of water, of lightweight slabs and screeds, with high thermal and acoustic insulation, for ecological building interventions and in the restoration of vintage buildings and monuments.

CONSUMPTION: 8 kg/m² di SANALIT for every centimetre of thickness to be implemented

PACKAGING: Bag 13 kg

COLOR: Light Hazelnut



EN 13813



DATA SHEET



Adhesives and stucco



UNIKOLL

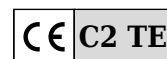
 3824 5090

A certified single-component cementitious adhesive with a base of hydraulic binders free from harmful additives, containing starch-derived adhesion promoters, selected siliceous and calcareous sands, reactive fillers with high pozzolanic activity and cellulosic thickeners for bonding tiles, ceramics, stoneware and natural and/or reconstructed stones on horizontal and vertical surfaces, for use both internally and externally. Cannot be used for plaster or anhydride substrates nor for substrates subject to movement or bearing a protective film.

CONSUMPTION: Use from 3 to 5 kg/m² of UNIKOLL depending on the type of support and the type of material to be bonded

PACKAGING: Bag 25 kg

COLOR: Gray



EN 12004-1



DATA SHEET



OSMOKOLL

 3824 5090

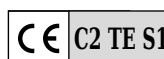
A two-component, certified cementitious adhesive based on hydraulic binders free from harmful additions, with modifying and flexibilising resins, selected siliceous and calcareous sands, reactive fillers with high pozzolanic activity and cellulosic thickeners, perfect for the preparation of adhesive mixtures that are trowelable with high deformation and impermeability capacity. Ideal for bonding coatings of any kind, even with low absorption, on horizontal and vertical surfaces, both internal or external, including with low porosity (for example, coatings on indoor swimming pools). Cannot be used for plaster or anhydride substrates nor for substrates subject to movement or bearing a protective film.

CONSUMPTION: Use from 5 to 6 kg/m² of OSMOKOLL depending on the type of support and the type of material to be bonded

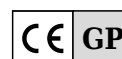
PACKAGING:

Bag 25 kg [A] + Plastic can 4 kg [B] = Kit: kg 29 [A+B]

COLOR: Gray



EN 12004-1



EN 998-1



DATA SHEET



SANAKOLL

 3824 5090

Adhesive monocomponent plaster, based on hydraulic lime, for bonding tiles etc., on hardened and compact building supports; also specific for the installation of wood-magnesium panels, cork panels and other types of ecological modular panels, in the construction of "natural coats" (internal and external), for ecological building interventions and in the restoration of vintage buildings and monuments.

CONSUMPTION: Use from 3 to 5 kg/m² of SANAKOLL depending on the type of support and the type of material to be bonded

PACKAGING: Bag 25 kg

COLOR: Light Hazelnut



DATA SHEET

» Adhesives and stucco



STUCCO BALCONY

3824 5090

A two-component, fine cementitious grout with a fluid plastic consistency for grouting uncovered joints or filling and finishing static cracks, micro- and macro-cavities and so on between flooring tiles, before applying PROTECH BALCONY for breathable non-film waterproofing operations on terraces and balconies.

CONSUMPTION: 1.75 kg of STUCCO BALCONY for each cubic decimetre of volume to be grouted

PACKAGING: Bucket 0,8 kg [A] + Bucket 0,2 kg [B] = Kit: 1 kg [A+B]

Pail 4 kg [A] + Bottle 1 kg [B] = Kit: 5 kg [A+B]

COLOR: Light Gray



DATA SHEET

High-performance hardening powder for industrial flooring



FLOOR VULKAN

3824 5090

A premixed hardening mineral blend with a base of basalt, corundum, high-purity quartz, super-pozzolanic reactivities (thickened microsilicates) and hydraulic binders for surface armour dust or paste, for industrial concrete flooring.

CONSUMPTION: dusting of the dry mixture on fresh concrete surfaces: 1 kg/m²

- application in layers as for mortar on concrete surfaces (wet-on-wet): 15-20 kg/m²

- application on hardened concrete surfaces such as fishbone ramps, after laying a bonding element such as SYNTECH RGS: 20-30 kg/m²

PACKAGING: Bag 25 kg

COLOR: Gray - Black



EN 1504-3



EN 13813



DATA SHEET

Consolidating, dust-resistant and water-oil repellent treatments in an aqueous solution



QL POLISIL

3824 9970

A sodic impregnating agent of polysilicic acid in aqueous solution (sodium silicate) for anti-dust and protective treatments of concrete flooring and screeds. It drastically reduces the product's water permeability whilst maintaining the passage of aqueous vapour. Consequently, the resistance to acid attacks and the overall durability of the concrete work increases.

CONSUMPTION: Between 0.1 and 0.3 kg of QL POLISIL per square metre of surface to be treated

PACKAGING: Plastic can 25 kg - Pallet tank (IBCs) 1000 kg

COLOR: Transparent



DATA SHEET



QL FLUOSIL

3824 9970

An anti-dust chemical/mechanical revitalising hardener for concrete flooring and screeds, consisting of an aqueous solution of mineral silicates and fluosilicates, activated by specific wetting agents. It is applied in several coats of decreasing dilution in water, with a brush or mechanical "scrubber". Specific anti-dust treatments for industrial flooring or concrete slabs that have lost their original "vitality".

CONSUMPTION: Apply from 0.25 to 0.40 kg of QL FLUOSIL per square metre of surface to be treated

PACKAGING: Plastic can 5 - 25 kg

COLOR: Transparent



DATA SHEET



QL NANO LITHIUM

3824 9970

A non-film chemical/mechanical nano-technological hardener with a base of lithium silicates for cortical consolidation, chemical surface hardening and anti-dust treatment of recently-constructed industrial concrete flooring. QL NANO LITHIUM must be applied on the surface of the floor, immediately after finishing with mechanical bladed trowels. Once the product has been absorbed, it is possible to polish the treated surface using specific polishing machines.

CONSUMPTION: 0,07 litres of QL NANO LITHIUM for every square metre of surface to be treated

PACKAGING: Plastic can 5 - 25 l

COLOR: Transparent



DATA SHEET



QL NANO LITHIUM HARD

3824 9970

A hardening, anti-dust sealant and chemical thickener with lithium silicates for industrial flooring and surfaces in cement conglomerate in general, already cured and compact. Penetrates and seals concrete via chemical reaction, forming a transparent, durable, extremely hard, inorganic, breathable and abrasion-resistant surface. Excellent for concrete floors requiring long term protection against wear, exposure to unfavourable conditions, humidity, dirt build up, alkalinity and efflorescence (salt residue).

CONSUMPTION: Apply from 0.07 to 0.09 litres of QL NANO LITHIUM HARD for square metre of surface to be treated

PACKAGING: Plastic can 5 - 25 l

COLOR: Transparent



DATA SHEET

» Consolidating, dust-resistant and water-oil repellent treatments in an aqueous solution



QL NANO LITHIUM SALT RESISTANT

3824 9970

Hardener, sealant and thickener QL NANO LITHIUM SALT RESISTANT is a protective treatment against salts and powder that is transparent, odourless and complies from a VOC point of view, with a water base and safe for the environment. It can harden, seal and thicken surfaces in masonry work and concrete. Thanks to its chemical reaction with the silica materials, QL NANO LITHIUM SALT RESISTANT creates a permanent water repellent layer that protects and preserves the concrete surface and various types of masonry substrates without altering the appearance and natural consistency.

CONSUMPTION: 0,07 litres of QL NANO LITHIUM SALT RESISTANT for every square metre of surface to be treated

PACKAGING: Plastic can 5 - 25 l

COLOR: Transparent



DATA SHEET



CONSILEX NANOSIL T-1000

3824 9970

An impregnating water-oil repellent that is colourless, non-film and based on the nano-dispersion of silicon compounds. Protects lime-based plasters, cementitious mortars, concrete, industrial flooring, natural stones, bricks, wood and so on from the weather, frost and thaw cycles, as well as from aggressive atmospheric conditions. It does not alter the colour of the substrate nor impact the original appearance or breathability. A product characterised by a very high pearling effect (lotus flower effect) and excellent durability.

CONSUMPTION: From 0.10 to 0.20 kg of CONSILEX NANOSIL T-1000 for square metre of surface to be treated

PACKAGING: Plastic can 5 - 25 kg

COLOR: Transparent



DATA SHEET

Curing treatments for industrial flooring and cement conglomerates in general



CURING AID

3824 9970

Curing adjuvant, based on special acrylic resins in aqueous dispersion; applied by spraying, on fresh concrete surfaces. It reduces the sudden loss of the mixing water by evaporation, thus contributing to the improvement of the general characteristics of the finished product. Unlike treatments based on wax or synthetic oils, CURING AID is not a hydro-oleo repellent substance. CURING AID bases its working principle on the cross-linking of a copolymer particularly similar to the constituents of cement-based mixes. The copolymer inhibits the evaporation of water and is chemically fixed with the support. CURING AID, thanks to this polymerization process, is not a potentially detaching substance with respect to subsequent coating treatments, unlike the common anti-evaporating agents present on the market that base their effectiveness on active hydro-oil repellent substances.

CONSUMPTION: From 0.07 to 0.1 kg of CURING AID per square metre of surface to be treated

PACKAGING: Plastic can 25 kg - Pallet tank (IBCs) 1000 kg

COLOR: Light blue



DATA SHEET



Biological detergent for rapid elimination hydrocarbon (HC)



DETERG FLOOR - HC

3824 9970

DETERG FLOOR - HC is a biological detergent for hydrocarbons, liquid disintegrant based on selected microorganisms with the ability to instantly degrade hydrocarbons (HC) and organic residues. It is used for cleaning hard and semi-porous surfaces contaminated by hydrocarbons and mineral oils in the industrial and petrochemical sectors. Suitable for cleaning the floors of service stations, industrial floors, metalworking workshops, car workshops, etc.

CONSUMPTION: Variable

PACKAGING: Plastic can 5 l

COLOR: Yellow



DATA SHEET

Closed-cell polyethylene edge insulation band



FLOORBAND 200

3925 9010

FLOORBAND 200 – comprised of closed-cell polyethylene and being lightweight, waterproof, imputrescible, mould-proof and with a high resistance to chemical aggression and alkaline reactions of cementitious products – is mainly used as a perimeter insulating band during the construction of screeds and/or concrete flooring.

CONSUMPTION: Apply 1 metre of FLOORBAND 200 for every linear metre of walls to be insulated around the perimeter

PACKAGING: Roll 100 m

COLOR: White



DATA SHEET

Polyethylene foam cables (Filtene) for filling the base of joints



FILTENE FONDOGIUNTO

3925 9010

Closed cell polyethylene foam kerb, compressible, to properly size the depth of the expansion joints (creation of the "third wall" or base material) before filling them with the polymeric sealants PROTECH FLEX, PROTECH SIGILFLEX MONO or EG 91. It is available in profiles of circular cross-section of different diameter that will fit joints of any shape and size.

CONSUMPTION: N° 1 metre of FILTENE FONDOGIUNTO for each linear metre of joint

PACKAGING: Ø 10 - 15 - 30 mm - Roll 25 m

COLOR: Dark Gray



DATA SHEET

Polyurethane sealants in cartridge for joints



PROTECH FLEX

3909 5090

A single-component, moisture-curing and fast-hardening polyurethane sealant with a medium-to-high modulus of elasticity, remaining permanently elastic yet with high surface hardness and being tear- and weather-resistance and paintable. Ideal for the deformable sealing of expansion joints on terraces and balconies, for filling joints on prefabricated walls and on wooden, steel, aluminium, copper and plastic materials along with plasters and so on.

(to be extruded with a special gun: EXTRUDER GUN FOR 300 CC CARTRIDGES) - pag. 128)

CONSUMPTION: Indicative consumption with a 300 cc PROTECH FLEX cartridge:

5x2,5 mm joint = 20 linear metres; 10x5 mm joint = 6 linear metres;

15x7,5 mm joint = 2,5 linear metres; 20x10 mm joint = 1.5 linear metres

PACKAGING: Cartridge 300 - 600 cc

COLOR: Gray - White - (Black on request)



EN 15651-1 EN 15651-4



DATA SHEET



PROTECH SIGILFLEX MONO

3909 5090

Single-component sealant with a base of hygro-hardening aromatic polyurethane resins. Cross-linking leads to the formation of an elastic and tenacious film with very good chemical resistance to water, oil and hydrocarbons along with aviation gasolines. It adheres to different media: concrete, ceramic, steel sheets, wood, synthetic media, glass and copper. Ideal for the deformable sealing of expansion joints, it can be painted using specific products.

(to be extruded with a special gun: EXTRUDER GUN FOR 533 OR 600 CC CARTRIDGES - pag. 128)

CONSUMPTION: Indicative consumption with a 600 cc product cartridge

5x5 mm joint = 20 linear metres; 10x10 mm joint = 6 linear metres;

15x10 mm joint = 4 linear metres; 20x10 mm joint = 3 linear metres

PACKAGING: Small bag 600 cc

COLOR: Gray



EN 15651-1 EN 15651-4



DATA SHEET

Two-component urethane cartridge for quickly repairing cracks and crevices in concrete flooring



SYNTECH ROADWARE

3909 5090

SYNTECH ROADWARE is a two-component, hybrid, super-fluid, high-penetration urethane which, combined with quartz, produces a fast-hardening hard polymer suitable for structurally repairing cracks and fissures in concrete flooring.

(to be extruded with a dedicated gun: EXTRUDER GUN FOR 600 CC BIMIX CARTRIDGES - pag. 129)

CONSUMPTION: With a SYNTECH ROADWARE cartridge, an average of 50 linear metres of gap of 5 mm width is repaired

PACKAGING: Bi-mix cartridge 600 ml

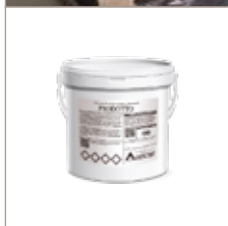
COLOR: Dark Gray



DATA SHEET



FLOORTECH-PRERIT system: architectural flooring in washed gravel and related products



BOND HG

 3824 4000

A binding, adhesive, multifunctional latex in a viscous solution, light pink in colour, based on a special elastomer in aqueous dispersion, with coalescence promoters, deaerating agents and fillers with a super-pozzolanic reaction. BOND HG is a multifunctional, reactive, flexibilising and waterproofing compound for the preparation of adhesion primers, adhesion slurries, waterproofing coatings, as well as to improve the adhesion, adherence, deformability, impermeability and performance of mortars, plasters, grouts and concretes.

CONSUMPTION: Consultare la tabella riportata nella scheda tecnica del prodotto

PACKAGING: Pail 8 kg

COLOR: Rosa



DATA SHEET



READYMESH PM-120

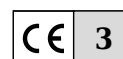
 5503 4000

READYMESH PM-120 is an auxiliary multifilament polypropylene microfibre bearing CE marking, with a length of 12 mm and being suitable for addition to cement conglomerates in general. The addition of READYMESH PM-120 to the mixture prevents the phenomenon of cracking from the plastic shrinkage of the concrete, as well as having positive effects on the ductility of the mixture, the resistance to freezing/thawing, shock resistance and overall watertightness. Typical uses include screeds for substrates, in thin castings, for prefabrication and concrete works in general.

CONSUMPTION: Variable

PACKAGING: Hydro degradable bag 0.6 kg

COLOR: White



EN 14889-2 (System 3)



DATA SHEET



PRERIT COMPOUND

 3824 4000

A supplementary powder compound that improves the functional characteristics of concretes utilised for the construction of architectural pavements of landscape/environmental value, with the "washed or exposed aggregate" technique.

CONSUMPTION: 25 kg of PRERIT COMPOUND for every cubic metre of architectural concrete to be made

PACKAGING: Bag 25 kg

COLOR: White Ivory



DATA SHEET

» FLOORTECH-PRERIT system: architectural flooring in washed gravel and related products



PRERIT SOLUTION

3824 4000

Set retarder in aqueous solution to be applied, using a low pressure airless pump, on fresh concrete surfaces, to allow removal by washing with water, a cortical layer a few millimetres thick, and then expose the aggregate forming the concrete. Specific for the realisation of floors with landscape/environmental value with the "washed gravel" technique.

CONSUMPTION: From 0.10 to 0.15 kg of PRERIT SOLUTION for every square metre of surface to be deactivated di superficie da disattivare

PACKAGING: Plastic can 5 - 10 - 25 kg

COLOR: Light blue



DATA SHEET



PRERIT SURFACE

3824 9970

An impregnating water-oil repellent that is colourless, non-film and based on the nano-dispersion of silicon compounds. Protects washed gravel floors from the weather, frost and thaw cycles, and aggressive atmospheric conditions. It does not alter the colour of the support nor impact the original appearance or breathability.

CONSUMPTION: Da 0,15 a 0,20 kg of PRERIT SURFACE per square metre of surface to be treated

PACKAGING: Plastic can 5 - 10 - 25 kg

COLOR: Transparent



DATA SHEET



FILTENE FONDOGIUNTO

3925 9010

Closed cell polyethylene foam kerb, compressible, to properly size the depth of the expansion joints (creation of the "third wall" or base material) before filling them with the polymeric sealants PROTECH FLEX, PROTECH SIGILFLEX MONO or EG 91. It is available in profiles of circular cross-section of different diameter that will fit joints of any shape and size.

CONSUMPTION: N° 1 metre of FILTENE FONDOGIUNTO for each linear metre of joint

PACKAGING: Ø 10 - 15 - 30 mm - Roll 25 m

COLOR: Dark Gray



DATA SHEET



PROTECH FLEX

3909 5090

A single-component, moisture-curing and fast-hardening polyurethane sealant with a medium-to-high modulus of elasticity, remaining permanently elastic yet with high surface hardness and being tear- and weather-resistance and paintable. Ideal for the deformable sealing of expansion joints on terraces and balconies, for filling joints on prefabricated walls and on wooden, steel, aluminium, copper and plastic materials along with plasters and so on.

(to be extruded with a special gun: *EXTRUDER GUN FOR 300 CC CARTRIDGES*) - pag. 128)

CONSUMPTION: Indicative consumption with a 300 cc PROTECH FLEX cartridge:

5x2,5 mm joint = 20 linear metres; 10x5 mm joint = 6 linear metres;

15x7,5 mm joint = 2,5 linear metres; 20x10 mm joint = 1.5 linear metres

PACKAGING: Cartridge 300 - 600 cc

COLOR: Gray - White - (Black on request)



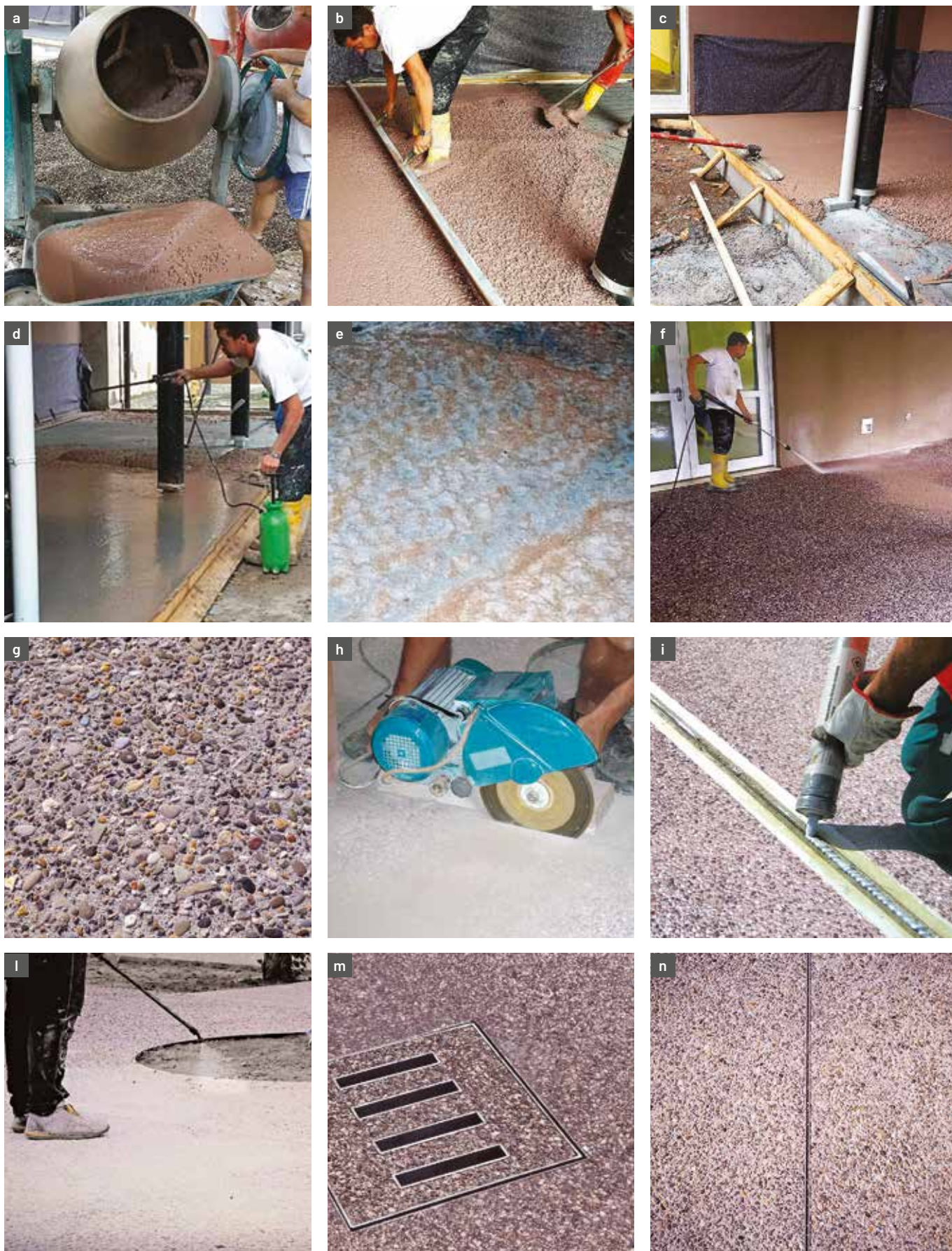
EN 15651-1 EN 15651-4



DATA SHEET



1. FLOOR TENAX: machining the area for restoration and levelling of the product on the predetermined project dimensions (Acciaierie di Taranto - ILVA plant);
2. FLOOR Q SFR: Spreading and levelling of the product on a perfectly unvarnished and dust-free substrate (Acciaieria Lucchini di Piombino - LI);
3. QL NANO LITHIUM: Application of the product with a low-pressure manual pump, the proper spreading and subsequent smoothing with suitable polishing machines. (Iveco headquarters in Brescia).

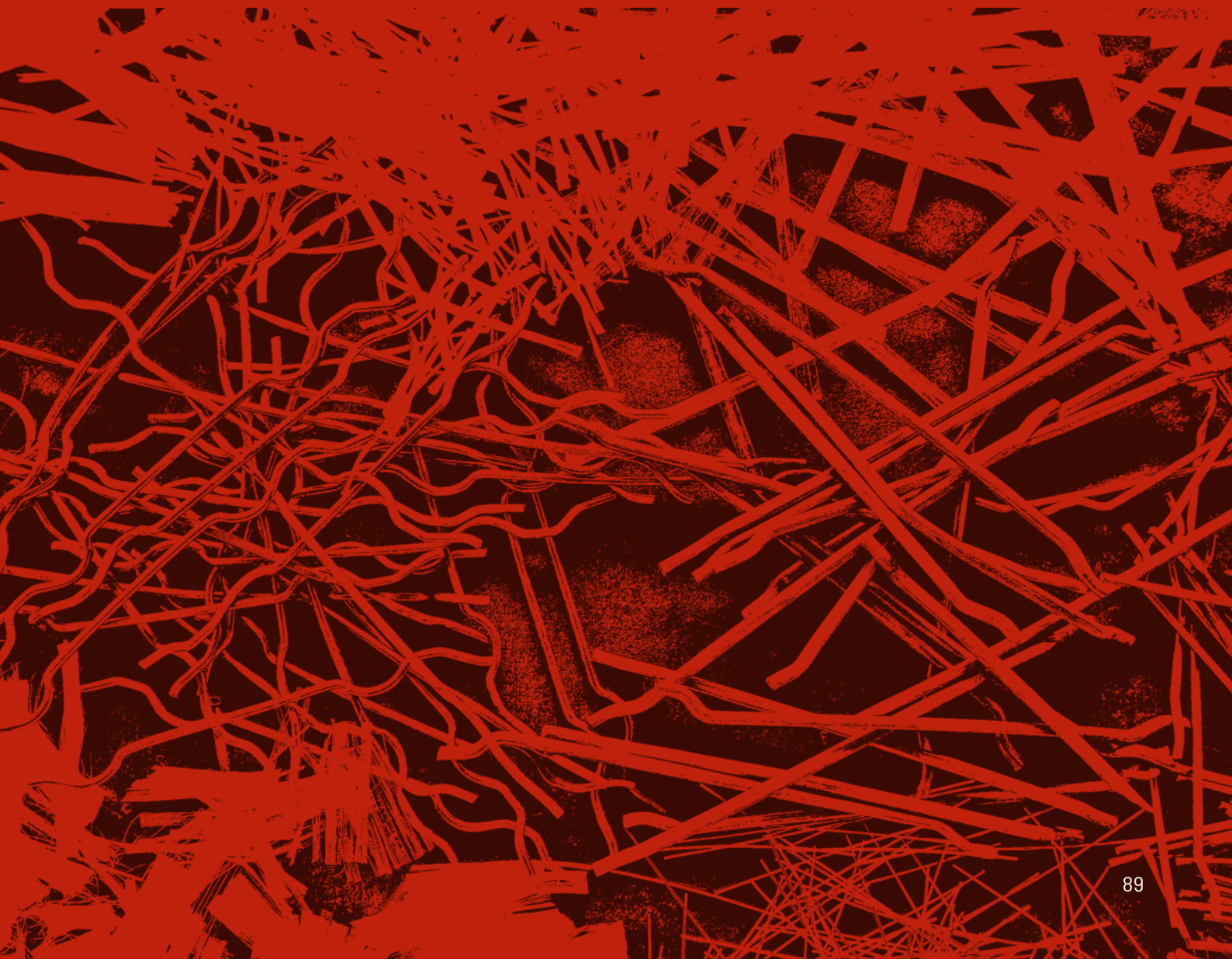


HOW TO CREATE ARCHITECTURAL FLOORING IN WASHED GRAVEL: **a.** Packaging of the gravel concrete to be deactivated; **b.** Spreading the gravel concrete to be deactivated; **c.** Smoothing the gravel concrete to be deactivated; **d.** Application of the PRERIT SOLUTION surface-setting deactivator/retarder; **e.** Detail of the wet surface of the deactivator/retarder; **f.** High-pressure water jetting of the surface of the flooring; **g.** Detail of the flooring surface after high-pressure washing; **h.** Cutting of expansion and fractionation joints; **i.** Joint sealing with PROTECH FLEX polyurethane sealant; **l.** Application of the water-oil repellent treatment PRERIT SURFACE; **m.** Execution detail; **n.** Completed work.

READYMESH



SYNTHETIC AND STEEL REINFORCEMENT
FIBRES FOR CONCRETE AND CEMENTITIOUS OR
LIME-BASED CONGLOMERATES IN GENERAL



READYMESH

SYNTHETIC AND STEEL REINFORCEMENT FIBRES FOR CONCRETE
AND CEMENTITIOUS OR LIME-BASED CONGLOMERATES IN GENERAL

Synthetic polypropylene fibres



READYMESH PM-060

5503 4000

READYMESH PM-060 is an auxiliary multifilament polypropylene micro-fibre with a length of 6 mm, suitable for adding to cementitious, lime-based or mixed conglomerates. The addition of READYMESH PM-060 to the mixture is able to counteract the phenomenon of cracking due to plastic shrinkage in plasters, mortars, screeds and concrete, as well as having positive effects as regards the ductility of the mixture, the resistance to freezing/thawing, the shock resistance and overall watertightness.

CONSUMPTION: Variable

PACKAGING: Hydro degradable bag 1 kg

COLOR: White



EN 14889-2 (System 3)



DATA SHEET



READYMESH PM-120

5503 4000

READYMESH PM-120 is an auxiliary multifilament polypropylene microfibre bearing CE marking, with a length of 12 mm and being suitable for addition to cement conglomerates in general. The addition of READYMESH PM-120 to the mixture prevents the phenomenon of cracking from the plastic shrinkage of the concrete, as well as having positive effects on the ductility of the mixture, the resistance to freezing/thawing, shock resistance and overall watertightness. Typical uses include screeds for substrates, in thin castings, for prefabrication and concrete works in general.

CONSUMPTION: Variable

PACKAGING: Hydro degradable bag 0.6 kg

COLOR: White



EN 14889-2 (System 3)



DATA SHEET



READYMESH PM-180

5503 4000

READYMESH PM-180 is an auxiliary multifilament polypropylene micro-fibre bearing CE marking, with a length of 18 mm and being suitable for addition to cement conglomerates in general. The addition of READYMESH PM-180 to the mixture prevents the phenomenon of cracking from the plastic shrinkage of the concrete, as well as having positive effects as regards the ductility of the mixture, the resistance to freezing/thawing, shock resistance and overall watertightness. Typical uses include screeds for substrates, in thin castings, for prefabrication and concrete works in general.

CONSUMPTION: Variable

PACKAGING: Hydro degradable bag 1 kg

COLOR: White



EN 14889-2 (System 3)



DATA SHEET



READYMESH PW-120

 5503 4000

READYMESH PW-120 is an auxiliary fibrillated polypropylene microfibre bearing CE marking, with a length of 12 mm and being suitable for addition to cement conglomerates in general. The addition of READYMESH PW-120 to the mixture prevents the phenomenon of cracking from the plastic shrinkage of the concrete, as well as having positive effects as regards the ductility of the mixture, the resistance to freezing/thawing, shock resistance and overall watertightness. Typical uses include screeds for substrates, in thin castings, for concrete flooring and in cement-ballast mixes.

CONSUMPTION: Variable

PACKAGING: Hydro degradable bag 1 kg

COLOR: White



DATA SHEET



READYMESH PS-380

 5404 1200

A high-performance polyolefin structural macrofibre with improved adhesion, with a length of 38 mm, to be added to concrete during mixing, specifically for structural applications or to replace traditional steel reinforcements (only with prior approval from the appointed structural engineer). Thanks to its yield, form factor and length, READYMESH PS-380 is particularly suited to applications in the field of shotcrete, in industrial prefabrications, for screeds on humid soils, for thin industrial flooring and in marine structures.

CONSUMPTION: Variable

PACKAGING: Hydro degradable bag 4 kg

COLOR: Transparent



EN 14889-2 (System 1)



DATA SHEET



READYMESH PS-480

 5404 1200

A high-performance polyolefin structural macrofibre with improved adhesion, bearing CE marking and measuring 48 mm in length, specifically for structural applications or to replace traditional steel reinforcements (only with prior approval from the appointed structural engineer). READYMESH PS-480 increases the energy absorption of the construction in the event of cracks and subsidence, giving the concrete greater resistance to tensile/bending stresses and reducing the risk of the breakage of the concrete structure along the edges and/or corners and of segregation during installation. Typical uses are in shotcrete, castings, foundations, sub-foundations, slabs, screeds on damp earth and for marine structures.

CONSUMPTION: Variable

PACKAGING: Hydro degradable bag 4 kg

COLOR: Transparent



EN 14889-2 (System 1)



DATA SHEET

READYMESH

SYNTHETIC AND STEEL REINFORCEMENT FIBRES FOR CONCRETE
AND CEMENTITIOUS OR LIME-BASED CONGLOMERATES IN GENERAL

» Synthetic polypropylene fibres



READYMESH PF-180

 5404 1200

READYMESH PF-180 is a high-performance stranded polyolefin macro-structural fibre with a length of 18 mm, specifically for the construction of industrial flooring, prefabrications and extensive three-dimensional reinforcement in cement conglomerates. Adding READYMESH PF-180 to the mixture gives the micro-concrete and the resulting product greater resistance to tensile/bending stresses, lowers the risk of breakage and drastically reduces the phenomenon of cracks from shrinkage during the initial hours of curing the product.

CONSUMPTION: Variable

PACKAGING: Hydro degradable bag 1 kg

COLOR: White



DATA SHEET



READYMESH PF-540

 5404 1200

READYMESH PF-540 is a high-performance stranded polyolefin structural macrofibre, bearing CE marking and being 54 mm in length, specific for the creation of continuous concrete surfaces, as well as a replacement for traditional steel reinforcement (only subject to the approval of the appointed structural engineer). The consistency, length and surface finish of READYMESH PF-540 has been specifically designed and developed for "visible" applications, such as industrial concrete flooring. Specific for the construction of industrial flooring, prefabrication and the common three-dimensional reinforcement in cement conglomerates.

CONSUMPTION: Variable

PACKAGING: Hydro degradable bag 1 kg

COLOR: White



EN 14889-2 (System 1)



DATA SHEET

Carbon steel fibres



READYMESH MM-150

 7326 2000

Fibres obtained via the mechanical cutting of steel wire, for the three-dimensional, structural reinforcement of cement conglomerates in general. The addition of READYMESH MM-150 considerably increases the mechanical performance of the product in relation to tenacity, ductility and resistance to fatigue, the resistance to dynamic stresses, the mechanical tensile and bending behaviour, (even post-cracking) and resistance to impacts and wear. READYMESH MM-150 is particularly suited to increasing the thermal conductivity of coating grouts in underfloor heating systems. Typical uses include heat-transferable screeds, in non-shrinkage mortars and plasters, in prefabrications and industrial flooring.

CONSUMPTION: Variable

PACKAGING: Bag 20 kg

COLOR: Steel



DATA SHEET



READYMESH MS-350

 7326 2000

Carbon steel fibres with an improved adhesion profile for three-dimensional, structural reinforcement of cement conglomerates in general, with a length of 35 mm. The addition of READYMESH MS-350 considerably increases the mechanical performance of the product in relation to tenacity, ductility and resistance to fatigue, resistances to dynamic stresses, the mechanical tensile and bending behaviour (even post-cracking) and resistance to impacts and wear. Typical uses are in grouts, structural concretes, shotcrete and prefabrications.

CONSUMPTION: Variable

PACKAGING: Bag 20 kg

COLOR: Steel



DATA SHEET



READYMESH MF-500

 7326 2000

Carbon steel fibres obtained by cutting metal wire, with an improved adhesion profile and bearing CE markings for three-dimensional, structural reinforcement of cement conglomerates in general. The addition of READYMESH MF-500 considerably increases the product's mechanical performance in terms of tenacity, ductility and resistance to fatigue, resistance to dynamic stresses, the mechanical tensile and bending behaviour (even post-cracking) and resistance to impacts and wear. Specific for the construction of industrial and prefabricated flooring.

CONSUMPTION: Variable

PACKAGING: Bag 20 kg

COLOR: Steel



EN 14889-2 (System 1)



DATA SHEET



READYMESH MX-500

 7326 2000

READYMESH MX-500 is a special carbon steel fibre with CE marking, obtained by profiling and cutting high-resistance steel wire. Its particular double hook shape ensures remarkable resistance to slippage, meaning the fibre confers excellent post-crack structural resistance values to the concrete, even at low dosages. READYMESH MX-500 considerably increases the mechanical performance of the product in terms of tenacity, ductility and resistance to fatigue, resistances to dynamic stresses, the mechanical tensile and bending behaviour (even post-cracking) and resistance to impacts and wear. Specifically for industrial flooring and prefabrications. Specific for the construction of industrial and prefabricated flooring.

CONSUMPTION: Variable

PACKAGING: Bag 20 kg

COLOR: Steel



EN 14889-2 (System 1)



DATA SHEET

Brass-plated steel microfibers



READYMESH MR-060

7326 2000

Brass-plated steel micro-fibres obtained by cutting metal wire, used for cement conglomerates in general. READYMESH MR-060 is comprised of very thin brass-plated steel wires with a diameter of 0.22 mm and a length of 6 mm, mainly used to control shrinkage and to reinforce plasters and mortars. Specific for producing thin structural mortars, plasters, prefabrications and concrete works in general.

CONSUMPTION: Variable

PACKAGING: Bag 20 kg

COLOR: Giallo Brass



DATA SHEET



READYMESH MR-200

7326 2000

Brass-plated steel micro-fibres obtained by cutting metal wire, used for cement conglomerates in structural reinforcements in general. READYMESH MR-200 consists of very thin brass-plated steel wires with a diameter of 0.22 mm and a length of 20 mm, mainly utilised to reinforce concrete and super-performance mortars. Specific for producing structural mortars, plasters, prefabrications and concrete works in general that have a modest thickness.

CONSUMPTION: Variable

PACKAGING: Bag 20 kg

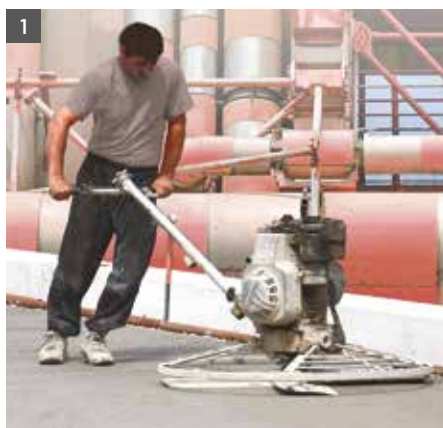
COLOR: Giallo Brass



DATA SHEET



EN 14889-2 (System 1)



1. Fibre-reinforced industrial flooring with READYMESH PF-540 and armoured surfaces with FLOOR VULKAN basalt dusting; 2. Sprayed concrete (spritz beton, gunite or shotcrete) with accelerating additive FLUID SPRITZ or FLUID SPRITZ AF and READYMESH MS-350 fibres; 3. Fibre-reinforced prefabricated components with READYMESH PS-380 fibres.

CONSILEX



LIQUID WATERPROOFING, STAIN RESISTANT,
CONSOLIDATING, ALKALISING, ANTI-MOULD
AND CAPILLARY ANTI-RISE CHEMICAL
BARRIER TREATMENTS



PROTECH BALCONY system: transparent, non-film waterproofing of terraces and balconies



DETERG-A

2806 1000

A concentrated solution of buffered acids, anionic and non-ionic surfactants with high biodegradability, for deep cleaning substrates with various types of encrustations (lime, gypsum, calcareous concretions, salt-petre). To be applied after diluting with clean water, in the proportions indicated on the technical data sheet. The product attacks carbonate minerals, hence particular attention should be paid to surfaces in marble, limestone, flooring and lead-polished stones, undertaking suitable preventive assessments. Protects metal surfaces.

CONSUMPTION: From 0.10 to 1.00 kg of DETERG-A per square metre of surface to be treated

PACKAGING: Bottle 1 kg - Plastic can 6 kg

COLOR: Transparent



DATA SHEET



STUCCO BALCONY

3824 5090

A two-component, fine cementitious grout with a fluid plastic consistency for grouting uncovered joints or filling and finishing static cracks, micro- and macro-cavities and so on between flooring tiles, before applying PROTECH BALCONY for breathable non-film waterproofing operations on terraces and balconies.

CONSUMPTION: 1.75 kg of STUCCO BALCONY for each cubic decimetre of volume to be grouted

PACKAGING: Bucket 0,8 kg [A] + Bucket 0,2 kg [B] = Kit: 1 kg [A+B]

Pail 4 kg [A] + Bottle 1 kg [B] = Kit: 5 kg [A+B]

COLOR: Light Gray



DATA SHEET



FILTENE FONDOGIUNTO

3925 9010

Closed cell polyethylene foam kerb, compressible, to properly size the depth of the expansion joints (creation of the "third wall" or base material) before filling them with the polymeric sealants PROTECH FLEX, PROTECH SIGILFLEX MONO or EG 91. It is available in profiles of circular cross-section of different diameter that will fit joints of any shape and size.

CONSUMPTION: N° 1 metre of FILTENE FONDOGIUNTO for each linear metre of joint

PACKAGING: Ø 10 - 15 - 30 mm - Roll 25 m

COLOR: Dark Gray



DATA SHEET



PROTECH FLEX PRIMER

3909 5090

A polyurethane bonding primer for preparing the subsequent filling of the joints with single-component polyurethane sealants in a cartridge (PROTECH FLEX or PROTECH SIGILFLEX MONO) or a two-component product (EG 91) on concrete and masonry surfaces.

CONSUMPTION: 0.02 kg of PROTECH FLEX PRIMER for every linear metre of joint to be treated

PACKAGING: Canister 1 kg

COLOR: Amber



DATA SHEET



PROTECH FLEX

3909 5090

A single-component, moisture-curing and fast-hardening polyurethane sealant with a medium-to-high modulus of elasticity, remaining permanently elastic yet with high surface hardness and being tear- and weather-resistance and paintable. Ideal for the deformable sealing of expansion joints on terraces and balconies, for filling joints on prefabricated walls and on wooden, steel, aluminium, copper and plastic materials along with plasters and so on.

(to be extruded with a special gun: EXTRUDER GUN FOR 300 CC CARTRIDGES) - pag. 128)

CONSUMPTION: Indicative consumption with a 300 cc PROTECH FLEX cartridge:

5x2,5 mm joint = 20 linear metres; 10x5 mm joint = 6 linear metres;

15x7,5 mm joint = 2,5 linear metres; 20x10 mm joint = 1.5 linear metres

PACKAGING: Cartridge 300 - 600 cc

COLOR: Gray - White - (Black on request)



EN 15651-1 EN 15651-4



DATA SHEET



PROTECH BALCONY

3824 9970

Solution based on special silane and siloxane resins in solvent, highly penetrating, transparent (colourless), for quickly, effectively and economically waterproofing balconies, tiled terraces, concrete roofings, external stairs, etc., without removing or intervening on the existing flooring. It does not change the appearance of the support on which it is applied and it does not alter the original slipperiness or its water vapour breathability. It is quick to apply and does not require skilled labour or professional equipment. The flooring treated will be usable after only 2 hours of laying.

CONSUMPTION: 0.15 litres of PROTECH BALCONY for each square metre of surface to be treated

PACKAGING: Bottle 1 l - Plastic can 2 - 5 - 25 l

COLOR: Transparent



DATA SHEET

» PROTECH BALCONY system: transparent, non-film waterproofing of terraces and balconies



PROTECH BALCONY WV

3824 9970

A solution based on special silane and siloxane resins in aqueous dispersion, being highly penetrating and transparent (colourless) for quickly, effectively and economically waterproof balconies, tiled terraces, concrete roofing, external stairs, and so on, without removing or impacting upon the existing flooring. It does not change the appearance of the substrate on which it is applied nor alter its original degree of lubricity or breathability to water vapour. Application is swift, without requiring specialised labour or professional equipment. The treated flooring will be usable only 2 hours after application.

CONSUMPTION: 0.15 kilograms of PROTECH BALCONY WV per square metre of surface to be treated

PACKAGING: Bottle 1 kg - Plastic can 2 - 5 - 25 kg

COLOR: Transparent



DATA SHEET

Water-repellent and revitalising treatments for concretes, masonry and brickwork in general



CONSILEX ALTRAIN

3824 9970

Water-repellent, colorless, non-film based impregnating agent based on silanes and siloxanes in solvent. It protects plasters, mortars, natural stones, tuff, and other building materials, from the chemical-mechanical action of rains, from freeze / thaw cycles, from aggressive atmospheric agents and from the action of pollutants. From a functional point of view, the treated materials have pores and capillarity coated internally but not filled, so there is no deposition of patinas, there are no color alterations, there are no changes in the appearance of the surfaces and transpiration to water vapor is maintained. original. These characteristics together with the good chemical stability (towards oxygen, UV radiation and pollutants) and the total absence of harmful by-products, make the product applicable on different supports, for interventions on artefacts of historical and artistic value.

CONSUMPTION: From 0.15 to 0.30 litres of CONSILEX ALTRAIN for each square metre of surface to be treated

PACKAGING: Plastic can 5 - 10 - 25 l

COLOR: Transparent



DATA SHEET



CONSILEX ALTRAIN WV

3824 9970

Nano-dispersion of water-based reactive amino functional silanes and siloxanes. Water-repellent impregnating agent, colourless, non-filming, protects plasters, cementitious systems, natural stones, tuff, etc., from adverse weather conditions, frost and thaw cycles and from atmospheric aggressions. It does not alter the colour of the surface and does not change the original appearance and breathability.

CONSUMPTION: From 0.15 to 0.30 litres of CONSILEX ALTRAIN WV for each square metre of surface to be treated

PACKAGING: Plastic can 5 - 10 - 25 l

COLOR: Transparent



DATA SHEET



CONSILEX JAZZ

3824 9970

An impregnating agent in aqueous dispersion of polysiloxane resins, ideal for conferring water-repellent and revitalising characteristics, regenerating the original colour of the treated material treated by means of low-pressure spray application, long-bristled brush or plush roller.

CONSUMPTION: From 0.15 to 0.40 kg of CONSILEX JAZZ for each square metre of surface to be treated

PACKAGING: Plastic can 5 - 10 - 25 kg

COLOR: Transparent



DATA SHEET

Water and oil repellent treatments for natural or artificial materials and for concrete flooring



CONSILEX NO-STAIN WV

3824 9970

A water-oil repellent product that is stain-resistant and has a low environmental impact, being particularly suited to treating absorbent and porous materials. The active substance penetrates the absorbent mineral substrate via capillary impregnation, safeguarding the original appearance whilst protecting the treated material from saline efflorescence, oil, fats and aqueous solutions without altering the colouring, varying the water vapour permeability or resulting in shiny or tacky surfaces. Product compliant with FDA guidelines regarding food contact.

CONSUMPTION: From 0.15 to 0.25 kg of CONSILEX NO-STAIN WV per square metre of surface to be treated

PACKAGING: Plastic can 5 - 25 kg

COLOR: Transparent



DATA SHEET



CONSILEX NANOSIL T-1000

3824 9970

An impregnating water-oil repellent that is colourless, non-film and based on the nano-dispersion of silicon compounds. Protects lime-based plasters, cementitious mortars, concrete, industrial flooring, natural stones, bricks, wood and so on from the weather, frost and thaw cycles, as well as from aggressive atmospheric conditions. It does not alter the colour of the substrate nor impact the original appearance or breathability. A product characterised by a very high pearling effect (lotus flower effect) and excellent durability.

CONSUMPTION: From 0.10 to 0.20 kg of CONSILEX NANOSIL T-1000 for square metre of surface to be treated

PACKAGING: Plastic can 5 - 25 kg

COLOR: Transparent



DATA SHEET

CONSILEX

LIQUID WATERPROOFING, STAIN RESISTANT, CONSOLIDATING, ALKALISING,
ANTI-MOULD AND CAPILLARY ANTI-RISE CHEMICAL BARRIER TREATMENTS

Water-repellent consolidating treatments for plasters and stone works



CONSILEX IDROCON

3824 9970

Special balanced solution of fumed silica esters, silanes, siloxanes, in solvent, characterised by high penetrating ability in silicic media and by the effective dual reinforcing and water repellence action, for protective, reinforcing and hydrophobising treatment of mineral and stone media. It does not result in colour variations or alterations of breathability.

CONSUMPTION: From 0.20 to 1.00 litres of CONSILEX IDROCON for each square metre of surface to be treated

PACKAGING: Plastic can 5 - 10 - 25 l

COLOR: Transparent



DATA SHEET



CONSILEX IDROCON WV

3824 9970

A water-repelling silicone consolidator in aqueous dispersion, formulated for the hydrophobisation, anti-saline treatment and consolidation of absorbent mineral building materials, including alkaline products. It does not cause colour variations nor alterations to breathability. A material with very low levels of VOCs.

CONSUMPTION: Da 0,15 a 0,40 kg di CONSILEX IDROCON WV for each square metre of surface to be treated

PACKAGING: Plastic can 5 - 10 kg

COLOR: Transparent



DATA SHEET



Consolidating treatments and porosity reducers for concretes, plasters and stone works



QL NANO LITHIUM

3824 9970

A non-film chemical/mechanical nano-technological hardener with a base of lithium silicates for cortical consolidation, chemical surface hardening and anti-dust treatment of recently-constructed industrial concrete flooring. QL NANO LITHIUM must be applied on the surface of the floor, immediately after finishing with mechanical bladed trowels. Once the product has been absorbed, it is possible to polish the treated surface using specific polishing machines.

CONSUMPTION: 0,07 litres of QL NANO LITHIUM for every square metre of surface to be treated

PACKAGING: Plastic can 5 - 25 l

COLOR: Transparent



DATA SHEET





QL NANO LITHIUM HARD

3824 9970

A hardening, anti-dust sealant and chemical thickener with lithium silicates for industrial flooring and surfaces in cement conglomerate in general, already cured and compact. Penetrates and seals concrete via chemical reaction, forming a transparent, durable, extremely hard, inorganic, breathable and abrasion-resistant surface. Excellent for concrete floors requiring long term protection against wear, exposure to unfavourable conditions, humidity, dirt build up, alkalinity and efflorescence (salt residue).

CONSUMPTION: Apply from 0.07 to 0.09 litres of QL NANO LITHIUM HARD for square metre of surface to be treated

PACKAGING: Plastic can 5 - 25 l

COLOR: Transparent



DATA SHEET



QL NANO LITHIUM SALT RESISTANT

3824 9970

Hardener, sealant and thickener QL NANO LITHIUM SALT RESISTANT is a protective treatment against salts and powder that is transparent, odourless and complies from a VOC point of view, with a water base and safe for the environment. It can harden, seal and thicken surfaces in masonry work and concrete. Thanks to its chemical reaction with the silica materials, QL NANO LITHIUM SALT RESISTANT creates a permanent water repellent layer that protects and preserves the concrete surface and various types of masonry substrates without altering the appearance and natural consistency.

CONSUMPTION: 0,07 litres of QL NANO LITHIUM SALT RESISTANT for every square metre of surface to be treated

PACKAGING: Plastic can 5 - 25 l

COLOR: Transparent



DATA SHEET



QL FLUOSIL

3824 9970

An anti-dust chemical/mechanical revitalising hardener for concrete flooring and screeds, consisting of an aqueous solution of mineral silicates and fluosilicates, activated by specific wetting agents. It is applied in several coats of decreasing dilution in water, with a brush or mechanical "scrubber". Specific anti-dust treatments for industrial flooring or concrete slabs that have lost their original "vitality".

CONSUMPTION: Apply from 0.25 to 0.40 kg of QL FLUOSIL per square metre of surface to be treated

PACKAGING: Plastic can 5 - 25 kg

COLOR: Transparent



DATA SHEET

CONSILEX

LIQUID WATERPROOFING, STAIN RESISTANT, CONSOLIDATING, ALKALISING,
ANTI-MOULD AND CAPILLARY ANTI-RISE CHEMICAL BARRIER TREATMENTS

» Consolidating treatments and porosity reducers for concretes, plasters and stone works



QL POLISIL

3824 9970

A sodic impregnating agent of polysilicic acid in aqueous solution (sodium silicate) for anti-dust and protective treatments of concrete flooring and screeds. It drastically reduces the product's water permeability whilst maintaining the passage of aqueous vapour. Consequently, the resistance to acid attacks and the overall durability of the concrete work increases.

CONSUMPTION: Between 0.1 and 0.3 kg of QL POLISIL per square metre of surface to be treated

PACKAGING: Plastic can 25 kg - Pallet tank (IBCs) 1000 kg

COLOR: Transparent



DATA SHEET



SANASTARK

3824 9970

A reactive solution of mineral silicates, able to form binding and stabilising compounds for hardening and consolidating treatments by reacting with hydrated calcium salts and the humidity present in the masonry, plaster, stone or concrete. Suited for treatments preliminary to the subsequent plastering or smoothing operations, for powdery mortars, plasters and wall casings in general, as well as for green building operations and the restoration of historic and monumental buildings.

CONSUMPTION: From 0.20 to 0.30 kg of SANASTARK for each square metre of surface to be treated

PACKAGING: Plastic can 5 - 10 - 25 kg

COLOR: Transparent



DATA SHEET



CONSILEX ST

3824 9970

A transparent, penetrating consolidator for natural stones, ornamental stone features, mineral plasters and for restoring cultural assets generally. It is composed of ethyl esters of silicic acid in solvent, hardening by reaction with atmospheric moisture. Apply by spraying at low pressure until rejected by the surfaces being treated, in order to guarantee an extremely deep consolidation.

CONSUMPTION: 0.2 litres of CONSILEX ST per square metre of surface to be treated

PACKAGING: Plastic can 5 - 10 l

COLOR: Transparent



DATA SHEET



CONSILEX IDROFIX

3824 9970

A liquid product based on lithium silicates, created as a protective and consolidating porosity reducer to treat concrete, mineral, brick and stone substrates. Guarantees optimal durability and adhesive strength along with resistance to UV rays, chemical agents and mechanical stresses. Application results in a rapid hardening of the surface, with a revived and homogeneous appearance. The product has a negligible environmental impact thanks to the low content of VOCs (<50 g/l) and is practically odourless.

CONSUMPTION: From 0,20 to 1,00 kg of CONSILEX IDROFIX per square meter of surface to be treated

PACKAGING: Plastic can 5 - 10 kg

COLOR: Transparent



DATA SHEET

Realkalising and migratory corrosion inhibitor for concrete structures



CONSILEX SAN

3824 9970

Reactive, colourless mineral solution for preliminarily re-alkalising and reinforcing concrete surfaces to be restored. It is an inorganic, mineral compound chemical affine with concretes. It reacts with alkali hydrates alkaline and with water, present in the porosity of concretes, mortars and plasters, forming stable silicate gels, which hermetically and lastingly seal the capillary lattice.

CONSUMPTION: From 0.15 to 0.30 kg of CONSILEX SAN per square metre of surface to be treated

PACKAGING: Plastic can 5 - 10 - 25 kg - Pallet tank (IBCs) 1000 kg

COLOR: Transparent



DATA SHEET



CONSILEX NO-RUST

3824 9970

CONSILEX NO-RUST is a powerful non-toxic corrosion inhibitor, to be applied to the surfaces of concrete structures and which, thanks to its particular chemical nature, migrates within the conglomerate and deposits on its particular internal reinforcement substances that preserve their integrity over time, by inhibiting oxidation phenomena.

CONSUMPTION: From 0.15 to 0.35 kg of CONSILEX NO-RUST per square metre of surface to be treated

PACKAGING: Plastic can 5 - 10 - 25 kg

COLOR: Transparent



DATA SHEET

CONSILEX

LIQUID WATERPROOFING, STAIN RESISTANT, CONSOLIDATING, ALKALISING,
ANTI-MOULD AND CAPILLARY ANTI-RISE CHEMICAL BARRIER TREATMENTS

Anti-mould and anti-saline treatments in aqueous solution, free from chlorine and soda



CONSILEX MUFFA CLEANER

3402 9010

Transparent, ready-to-use cleaning agent, for the safe removal of scale blackish incrustations from moulds and biodeteriogenic manifestations, as well as for the revitalising renewal of wooden surfaces.

CONSUMPTION: 0.20 litres of CONSILEX MUFFA CLEANER for every square metre of surface to be treated

PACKAGING: Bottle 1 l - Plastic can 5 - 25 l

COLOR: Transparent



DATA SHEET



CONSILEX MUFFA REMOVER

3808 9410

Solution based on quaternary ammonium and peculiar active principles for the elimination of biodeteriogenic settlements: moulds, fungi, mosses, algae, lichens, bacteria, etc. from masonry works, in full respect of ecological protocols, with particular reference to biological building interventions and the restoration of vintage buildings and monuments. Over 150,000,000 square metres reclaimed, and 30 years of history, ensure product quality and effectiveness.

CONSUMPTION: 0.20 litres of CONSILEX MUFFA REMOVER for every square metre of surface to be treated

PACKAGING: Bottle 1 l - Plastic can 5 - 25 l

COLOR: Transparent



DATA SHEET



SANAREG

3824 9970

Silane-based water-repellent emulsion, penetrates the capillary pores of mineral substrates and reacts with the hydroxyl groups on the surface forming an invisible water-repellent barrier that does not allow water to penetrate but which leaves the breathability to water vapor unaltered. Specific for preliminary treatments against the saline efflorescence of masonry bodies, in green building interventions and in the restoration of period and monumental buildings.

CONSUMPTION: From 0.10 to 0.20 kg of SANAREG for each square metre of surface to be treated

PACKAGING: Plastic can 5 - 25 kg

COLOR: White



DATA SHEET

Detergent, descaling and soot removal (smog) treatments



DETERG-A

 2806 1000

A concentrated solution of buffered acids, anionic and non-ionic surfactants with high biodegradability, for deep cleaning substrates with various types of encrustations (lime, gypsum, calcareous concretions, salt-petre). To be applied after diluting with clean water, in the proportions indicated on the technical data sheet. The product attacks carbonate minerals, hence particular attention should be paid to surfaces in marble, limestone, flooring and lead-polished stones, undertaking suitable preventive assessments. Protects metal surfaces.

CONSUMPTION: From 0.10 to 1.00 kg of DETERG-A per square metre of surface to be treated

PACKAGING: Bottle 1 kg - Plastic can 6 kg

COLOR: Transparent



CONSILEX SMOG REMOVER

 3402 9010

CONSILEX SMOG REMOVER is a cleaner with a gelatinous consistency, designed to clean blackened façades, particularly encrusted with soot, particulates, smog and even graffiti. It is perfect for cleaning external walls, façades and roofing in natural stone, exposed brickwork, reconstituted stone, concrete, etc.

CONSUMPTION: 0,30 kg of CONSILEX SMOG REMOVER for every square metre of surface to be treated

PACKAGING: Plastic can 5 - 25 kg

COLOR: Straw yellow



Chemical barriers protecting against capillary rising



CONSILEX BARRIER-A

 3824 9970

A solution of special modified silicone resins, dispersed in water and hydrophilic in the application phase, whilst being hydrophobic and water-repellent after reacting with atmospheric carbon dioxide, for the preparation of water-repellent solutions in creating chemical barriers against capillary rising in masonry.

CONSUMPTION: From 3.5 to 4.0 litres of CONSILEX BARRIER-A per linear metre of 10 cm thick masonry

PACKAGING: Plastic can 5 - 10 - 25 l

COLOR: Transparent



CONSILEX

LIQUID WATERPROOFING, STAIN RESISTANT, CONSOLIDATING, ALKALISING,
ANTI-MOULD AND CAPILLARY ANTI-RISE CHEMICAL BARRIER TREATMENTS

» Chemical barriers protecting against capillary rising



CONSILEX INJECT MAUER

3824 9970

One-component silane-based system modified for the preparation, with the sole addition of water, of water repellent microemulsions for slowly spreading masonry injections against capillary rising damp or using a pump with low operating pressure (0.5 to 1.5 bar), specific for the construction of chemical barriers in masonry, brick, tufa, stone and mixed, of varied thicknesses.

CONSUMPTION: From 3.5 to 4 litres of CONSILEX INJECT MAUER in solution 1:10 per linear metre of 10 cm thick masonry

PACKAGING: Plastic can 5 - 10 - 25 l

COLOR: Transparent



DATA SHEET



CONSILEX BARRIER CREAM

3824 9970

An impregnating agent with a gelatinous consistency and a base of silanes forming chemical barriers against capillary rising damp, particularly suited to new masonry, even alveolar (poroton, double UNI, etcetera). It is supplied in 600 cc aluminium-lined bags ("soft" cartridges), to be inserted in the specific dosage gun for bagged sealants.

(to be extruded with a special gun: EXTRUDER GUN FOR 533/600 CC CARTRIDGES - Pag. 128)

CONSUMPTION: 200 cc of CONSILEX BARRIER CREAM per linear metre of 10 cm thick masonry

PACKAGING: Cartridge 600 cc

COLOR: White



DATA SHEET

Accessories for slow-diffusion chemical barriers



BARRIER BAG

3923 2100

Graduated polyethylene bag, to be fixed by nailing to a suitable wooden or masonry stand, necessary for the chemical barriers against the capillary rising damp with the slow diffusion method.

CONSUMPTION: Product to buy as needed

PACKAGING: Bulk material 1 unit

COLOR: Transparent



DATA SHEET



BARRIER TUBE D26

🚚 4822 9000

1 metre long stiff paper tube, supplied with 6 plastic closure caps, specific for water repellent resin injections for the construction of slow radial diffusion chemical barriers at the base of the walls, against capillary rising damp, in the brick, tufas, stone, and mixed masonry of various thickness.

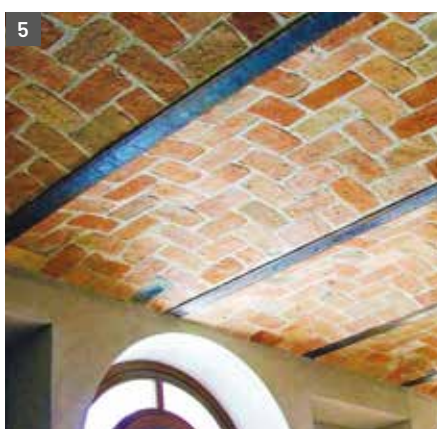
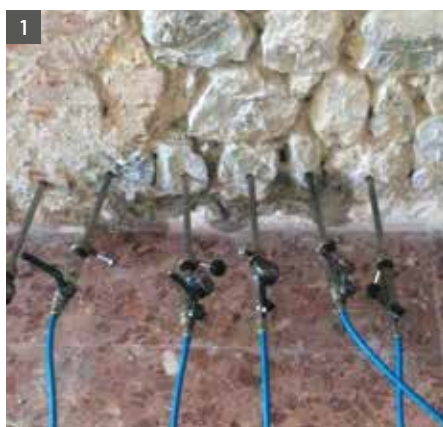
CONSUMPTION: Product to buy as needed

PACKAGING: Bulk material 1 m

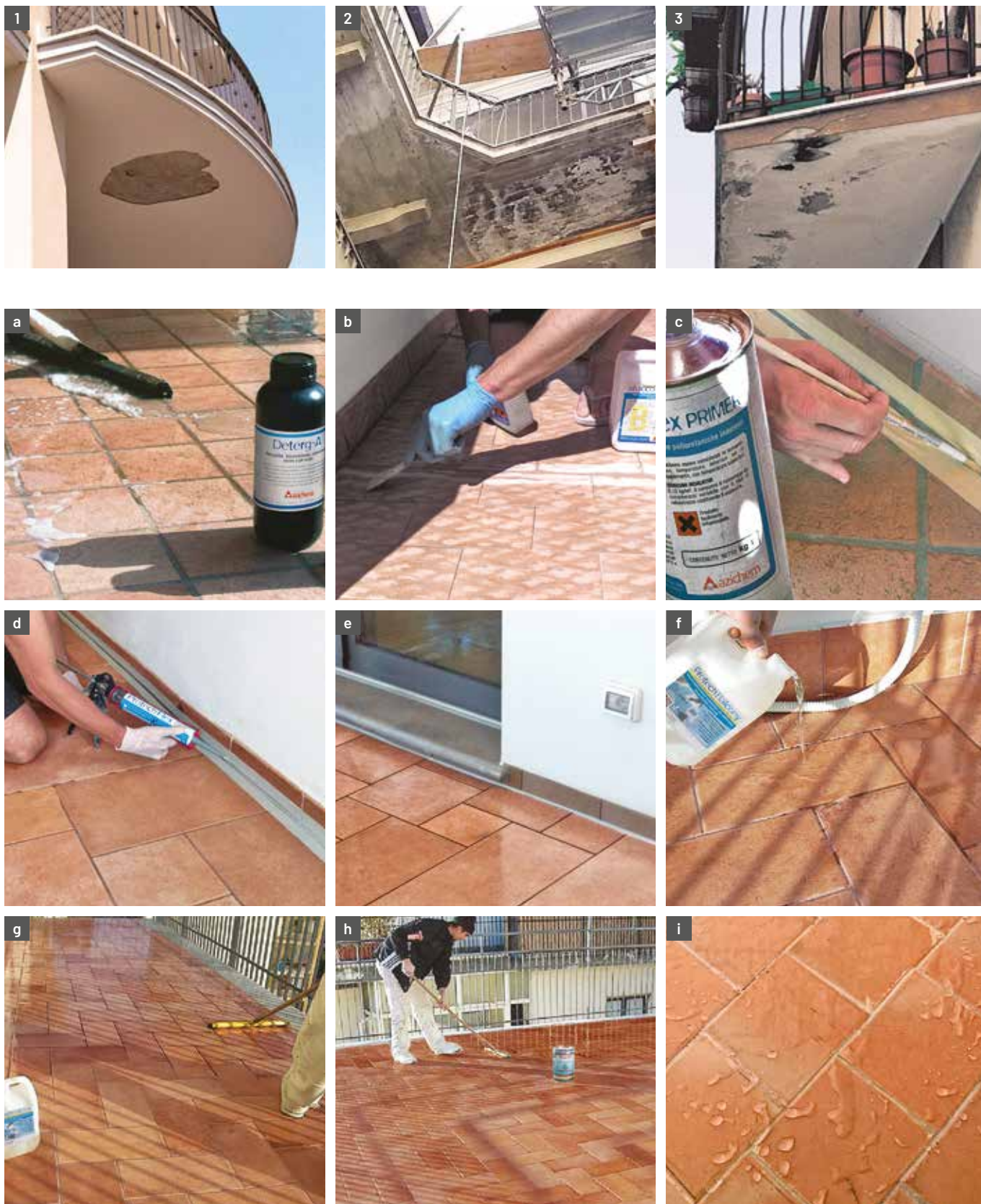
COLOR: Hazelnut



DATA SHEET



1. Chemical barriers against capillary rising in damp masonry (CONSILEX BARRIER-A - CONSILEX INJECT MAUER); 2. Water-repellent, consolidating, anti-mould treatments of masonry surfaces (SANAREG); 3. Transparent, non-film waterproofing of terraces, balconies and tiled stairs (PROTECH BALCONY WV); 4. Anti-mould and anti-salt treatments in aqueous solution, free from chlorine and soda (CONSILEX MUFFA CLEANER and CONSILEX MUFFA REMOVER); 5. Consolidating, revitalising, anti-dust, porosity-reducing treatments of the concrete, mineral, brick and stone substrates (CONSILEX IDROFIX); 6. Cleaning products for blackened façades, particularly encrusted with soot from pollution and smog (CONSILEX SMOG REMOVER).



1. 2. 3. Examples of degradation of the intrados of tiled terraces and balconies, caused by water infiltrations.

HOW TO COMPLETE THE TRANSPARENT, NON-FILM WATERPROOFING OF A TERRACE OR BALCONY: **a.** Deep cleaning of the tiled floor with DETERG-A (only and where necessary); **b.** Removal of old grouting (only and where necessary) and possible re-filling with STUCCO BALCONY; **c.** Taping the connections between floor and wall along with the application of PROTECH FLEX PRIMER on the walls of the joint; **d.** Extrusion of PROTECH FLEX polyurethane sealant; **e.** Completing the sealing of all joints; **f.** Pouring PROTECH BALCONY on the tiled surface, with a consumption of about 150 g/m²; **g.** Careful application of PROTECH BALCONY on the tiled surface with a special suction pump for liquids and along the top of the skirting boards and the sections below any door/window thresholds, using a long bristle brush or a sponge impregnated with liquid; **h.** About an hour after applying PROTECH BALCONY, remove any traces of the "congealed" solution, which is whitish in colour, using a rag or sponge soaked in paint thinner; **i.** Completed waterproofing and hydrophobic surface.

PROTECH



PAINTS, PROTECTIVE COATINGS AND
STRENGTHENING FIXING PRIMERS



Lime putty plasters and paints



SANADEK

3209 9000

Breathable, natural, non-toxic paint, for internal use, diffusive type, based on long hardening lime putty, pre-filtered. Mineral-based, active formulation, high natural anti-mildew and anti-condensation capacity, prepared according to the traditional recipes, for use in ecological building interventions and in the restoration of vintage buildings and monuments.

CONSUMPTION: Apply from 0.30 to 0.40 liters of SANADEK per square metre of surface to be painted

PACKAGING: Pail 4 - 14 l

COLOR: White / Azichem colour chart



DATA SHEET



SANAFARBE P

3209 9000

A breathable, natural and non-toxic paint for interiors and exteriors, of a diffusive nature with lime putty. A mineral-based, active formulation with high natural anti-mildew and anti-condensation capacity, prepared according to traditional formulas for green building operations and in the restoration of historic buildings and monuments.

CONSUMPTION: Apply from 0.20 to 0.40 liters of SANAFARBE P per square metre of surface to be painted.

PACKAGING: Pail 4 - 14 l

COLOR: White / Azichem colour chart



DATA SHEET



SANAFARBE I

3214 9000

A natural, protective, decorative, breathable, pigmented and non-toxic natural anti-mould plaster with seasoned lime putty and botticino powders (marble dust) for interiors and exteriors. Prepared in accordance with traditional formulas for use in ecological building operations and in the restoration of historic buildings and monuments.

CONSUMPTION: Variable

PACKAGING: Pail 5 - 25 kg

COLOR: White / Azichem colour chart



EN 15824



DATA SHEET

Potassium silicate fixatives, fillers, paints and microplasters



SANAXIL FIX

3209 9000

Reinforcing, fixative, transparent primer, based on stabilised potassium silicate for the preliminary treatment of the surfaces to be painted and/or plastered with silicate-based, lime putty, systems, for ecological building interventions, new buildings and for the restoration of vintage buildings and monuments.

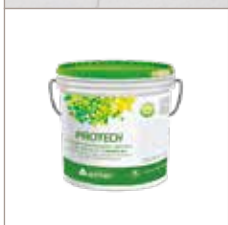
CONSUMPTION: Apply from 0.10 to 0.15 litres of SANAXIL FIX per square metre of surface to be treated

PACKAGING: Plastic can 5 - 20 l

COLOR: Transparent



DATA SHEET



SANAXIL FILLER

3209 9000

An anti-cracking primer with a base of siliceous aggregates of various granulometry, potassium silicate, nylon microfibres and specific agents, in a special blend able to guarantee impermeability to water, water repellency and vapour permeability. Specific for the reclamation of internal and external vertical surfaces, characterised by significant presence of hairline cracks from shrinkage (even of widths up to 1 mm) or for homogenising in general. It can also be used as a base to obtain a rustic effect in the finish. Particularly suitable for fixing cracks in the reclamation of historic buildings.

CONSUMPTION: Apply from 0.30 to 0.50 kg of SANAXIL FILLER per square metre of surface to be treated

PACKAGING: Pail 5 - 25 kg

COLOR: White / Azichem colour chart



DATA SHEET



SANAVEL

3209 9000

A breathable, natural, non-toxic paint for interiors, with potassium silicates. A mineral-based, active formulation with high anti-mildew and anti-condensation capacity, prepared according to traditional formulas for use in green building operations, in new constructions and in the restoration of historic buildings and monuments.

CONSUMPTION: Apply from 0.30 to 0.40 liters of SANAVEL per square metre of surface to be painted

PACKAGING: Pail 4 - 14 l

COLOR: COLOR: White / Azichem colour chart



DATA SHEET

» Potassium silicate fixatives, fillers, paints and microplasters



SANAXIL P

3209 9000

Breathable, natural, non-toxic paint, for external and internal surfaces, for adhesion and microcrystalline structure, based on stabilized potassium silicate. Mineral-based, active formulation, with high natural mildewcide and anti-condensation properties, prepared according to the traditional recipes, for use in ecological building interventions, new buildings and in the restoration of vintage buildings and monuments.

CONSUMPTION: Apply from 0.15 to 0.20 liters of SANAXIL P per square metre of surface to be painted

PACKAGING: Pail 4 - 14 l

COLOR: White / Azichem colour chart



DATA SHEET



SANAXIL P - THERM

3209 9000

A stabilised potassium silicate paint for interiors and exteriors that is heat-reflective, with chemical adhesion and excellent coverage capacity (Class 1 pursuant to EN 13300 for a yield of 6-7 m²/l). Formulated with unsaponifiable polymer dispersion, hollow glass microspheres (3M Glass Bubble), pigments, inorganic fillers and additives in a ratio able to guarantee the fulfilment of physical parameters such as permeability, water-repellency, CO₂ diffusion and so on.

CONSUMPTION: Apply from 0.18 to 0.25 litres of SANAXIL P-THERM per square metre of surface to be painted

PACKAGING: Pail 4 - 14 l

COLOR: White / Azichem colour chart



DATA SHEET



SANAXIL I

3214 9000

A natural, protective, decorative, breathable, pigmented, non-toxic and anti-mould plaster with stabilised potassium silicates, for interiors and exteriors. Prepared in accordance with traditional formulas for use in ecological building operations, in new constructions and for the restoration of historic buildings and monuments.

CONSUMPTION: Variable

PACKAGING: Pail 5 - 25 kg

COLOR: White / Azichem colour chart



EN 15824



DATA SHEET



SANAXIL I - THERM

3214 9000

A trowelable mineral coating for interiors and exteriors with potassium silicates with chemical adhesion, anti-condensation, insulating and resistant to mould thanks to the addition of hollow glass microspheres (3M Glass Bubble). Thanks to its mineral nature with chemical adhesion, SANAXIL I - THERM revolutionises the concept of adhesion to the substrate, deeply penetrating into the porosity of the wall to react with its components to form a unique and indissoluble "silicating" whole. The finished look is similar to civic plaster.

CONSUMPTION: Variable

PACKAGING: Pail 22 kg

COLOR: White / Azichem colour chart



EN 15824



DATA SHEET

Siloxane fixatives, fillers, paints and microplasters



PROTECH SIL FIX

3209 9000

A consolidating, transparent fixative primer with a base of siloxane resins in aqueous dispersion, specifically for the preliminary treatment of plasters before the application of PROTECH SIL P or PROTECH SIL P - THERM siloxane paints, otherwise before the application of PROTECH SIL I or PROTECH SIL I - THERM siloxane plasters in the restoration of civic and industrial buildings and for new constructions.

CONSUMPTION: From 0.10 to 0.15 litres of PROTECH SIL FIX for each square metre of surface to be treated

PACKAGING: Plastic can 5 - 20 l

COLOR: Transparent



DATA SHEET



PROTECH SIL FILLER

3209 9000

"Anti-crackling" basecoat based on siloxane water-thinnable resins, microfibre nylon, acrylic dispersions, fillers and specific additives, in a special highly water repellent mix ("lotus" effect). The special covering, filling (filler) and vapour permeability capabilities, make it specific for renovating cracklings and small cracks, resulting from plastic and hygrometric shrinkage on existing plaster, before the next painting or coating with putty coat.

CONSUMPTION: Apply from 0.35 to 0.60 kg of PROTECH SIL FILLER per square metre of surface to be painted

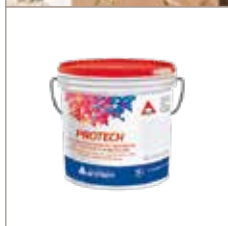
PACKAGING: Pail 25 kg

COLOR: White / Azichem colour chart



DATA SHEET

» Siloxane fixatives, fillers, paints and microplasters



PROTECH SIL P

3209 9000

A water-repellent, breathable pigmented paint with a base of siloxane resins in water dispersion for painting and restoring civil and industrial buildings as well as new constructions, for both external and internal façades. Recommended for use as water-repellent breathable protective finish of macroporous dehumidifying plasters (SANATIGH, SANAWARME, CALEOSANA).

CONSUMPTION: Apply from 0.25 to 0.35 liters of PROTECH SIL P per square metre of surface to be painted

PACKAGING: Pail 4 - 14 l

COLOR: White / Azichem colour chart



DATA SHEET



PROTECH SIL P - THERM

3209 9000

An anti-condensation, elastic, sanitising and heat-reflecting paint with hollow glass microspheres (3M Glass Bubble), ideal for both external and internal façades, with a base of siloxane resin in emulsion, with high permeability to water vapour and excellent coverage capacity. Recommended for use as a breathable, water-repellent protective finish for macroporous dehumidifying plasters (SANATIGH, SANAWARME, CALEOSANA).

CONSUMPTION: Apply from 0.20 to 0.30 kg of PROTECH SIL P-THERM per square metre of surface to be painted

PACKAGING: Pail 4 - 14 l

COLOR: White / Azichem colour chart



DATA SHEET



PROTECH SIL I

3214 9000

A water-repellent, breathable, pigmented and ready-to-use plaster based on siloxane resins dispersed in water. Ideal for protective coatings resistant to water and inclement weather in restoration operations, both for external façades and internal environments, for civic and industrial buildings and new constructions.

CONSUMPTION: Variable

PACKAGING: Pail 5 - 25 kg

COLOR: White / Azichem colour chart



EN 15824



DATA SHEET



PROTECH SIL I - THERM

3214 9000

A spatulated nanotechnological wall coating for interiors and exteriors, as an anti-condensation, elastomeric, sanitising, thermal insulator formulated with hollow glass microspheres (3M Glass Bubble), being heat-reflecting based on siloxane resins in aqueous emulsion with high permeability to water vapours, with the end result being like civic plaster. This product creates thermal insulation with the obvious advantages of recovering the thermal mass from walls and eliminating thermal bridges and stresses in buildings.

CONSUMPTION: Variable

PACKAGING: Pail 20 kg

COLOR: White / Azichem colour chart



EN 15824



DATA SHEET

Acrylic fixatives, paints and plasters



PROTECH FIX AC

3209 1000

Reinforcing high penetration fixative, non-pellicular, based on ultrafine acrylic polymers with hydrodispersed adhesion promoters. Suitable as a fixative anti-dust primer prior to painting or coating plaster with paints or acrylic putty coats. Used alone, it is a good anti-dust reinforcing cortical treatment of old non-cohesive plaster and jointing.

CONSUMPTION: From 0.10 to 0.15 litres of PROTECH FIX AC for each square metre of surface to be treated

PACKAGING: Plastic can 5 - 20 l

COLOR: Transparent



DATA SHEET



PROTECH FIX AC - THERM

3209 1000

Water-based anti-condensing wall covering, with excellent fixing and anchoring properties, with good coverage based on high penetration acrylic resins, 3M Glass Bubble, pigments, fillers and covering fillers. Suitable as an anti-condensation fixative primer, prior to painting or coating the plaster with anti-condensation paints or plasters (-THERM).

CONSUMPTION: From 0.10 to 0.15 litres of PROTECH FIX AC-THERM for each square metre of surface to be treated

PACKAGING: Pail 14 l

COLOR: White



DATA SHEET

PROTECH

PAINTS, PROTECTIVE COATINGS AND STRENGTHENING FIXING PRIMERS

» Acrylic fixatives, paints and plasters



PROTECH AC-P

3209 1000

A paint with a base of acrylic resins in aqueous emulsion, for interiors and exteriors, as a protective lamellar structure which, in addition to having an aesthetic effect, ensures maximum filling, breathability and very high resistance to mechanical and chemical light. Extensive coverage and expandability render this product extremely easy to apply. The special acrylic resins this product contains produce a film characterised by a rapid insensitivity to water even during the drying phase, with a consequent reduction in the "snail trail effect" in the event of atmospheric events.

CONSUMPTION: From 0.20 to 0.30 litres of PROTECH AC-P for each square metre of surface to be treated

PACKAGING: Pail 14 l

COLOR: White / Azichem colour chart



DATA SHEET



PROTECH AC-I

3214 9000

A continuous plastic coating for high-quality interiors and exteriors, being easy to apply and based on unalterable high-coverage pigments, siliceous aggregates and marble grit with controlled granulometry, dispersed in a binder with an acrylic resin base in aqueous emulsion.

CONSUMPTION: Variable

PACKAGING: Pail 5 - 25 kg

COLOR: White / Azichem colour chart



EN 15824



DATA SHEET



PROTECH WAC

3209 1000

An anti-carbonation, protective, decorative, pigmented paint for concrete surfaces. With a base of acrylic resins in aqueous emulsion, it forms a film that is impermeable to water, with very low permeability to carbon dioxide but high permeability to vapour, anchored for specific adhesion and diffusion. Perfect for protective coatings of infrastructure projects in concrete.

CONSUMPTION: Apply from 0.25 to 0.35 kg of PROTECH WAC per square metre of surface to be painted

PACKAGING: Pail 22 kg

COLOR: White / Azichem colour chart



EN 1504-2



DATA SHEET



PROTECH WAC-T

3209 1000

An anti-carbonation, protective, decorative, pigmented paint for concrete surfaces, with a base of acrylic emulsion elastomers, thermoplastic fluorinated polymers (Teflon), fillerised aggregates and precious colouring oxides. Perfect for the waterproofing, hydro-repellent painting of artefacts and works in concrete or masonry in harsh environments (marine and mountain environments, chemical industry, steel mills, etc).

CONSUMPTION: Apply from 0.25 to 0.35 kg of PROTECH WAC-T per square metre of surface to be painted

PACKAGING: Pail 22 kg

COLOR: White / Azichem colour chart



EN 1504-2



DATA SHEET

Specific protective enamel for concrete or plastered pools



SMERALD PISCINE

3209 1000

A decorative protective enamel with a satin effect, being single-component with a high technical content and very resistant to the effects of UV rays. With a base of polyurethane and acrylic polymeric blends modified with Teflon in aqueous emulsion. Perfect for finishing concrete surfaces intended for permanent contact with water (swimming pools, fountains, ornamental basins, channels, artificial ponds, tanks, etcetera). It comes in the standard COLOR of white and Bluee, or in other COLOR upon request.

CONSUMPTION: Apply from 0.30 to 0.40 liters of SMERALD PISCINE per square metre of surface to be painted

PACKAGING: Pail 14 l

COLOR: White - Light blue - Sand



DATA SHEET

High-coverage paint for tunnels, galleries and underpasses



PROTECH TUNNEL

3209 1000

A tempera paint with high specific coverage, elevated dry residue and water repellency for signage and decorative painting of interior surfaces in general, generally regarding tunnels, galleries, underpasses and so on, having a high filling capacity.

CONSUMPTION: Apply from 0.30 to 0.50 liters of PROTECH TUNNEL per square metre of surface to be painted

PACKAGING: Pail 15 l

COLOR: RAL 2002 (Vermilion) - RAL 9010 (Pure white) - RAL 7032 (Pebble grey)



DATA SHEET

Paints for colouring and for road markings on asphalt and bitumen



PROTECH ROAD LINE

3209 1000

A fast-drying refractive synthetic paint with excellent coverage and resistance to atmospheric agents, specially designed for painting horizontal road signs. Based on acrylic resins, specific plasticisers and loaded with Rutile Titanium Dioxide, specific pigments resistant to UV rays, lamellar phase and crystalline charges, glass microspheres with a high refractive index and a specific mixture of solvents to balance drying deep down and on the surface, it serves to communicate safety regulations of the road rules for both urban and suburban areas, for central and lateral lines, stripes, stop lines, pedestrian crossings and so on.

CONSUMPTION: Apply 1.30 kg per square metre of surface to be painted

PACKAGING: Pail 5 - 25 kg

COLOR: White - Red - Blue - Yellow - Black



DATA SHEET



PROTECH ROAD PAINT

3209 1000

PROTECH ROAD PAINT is a thick paint based on acrylic resins in aqueous emulsion for the protection and waterproofing of bituminous floors in urban and pedestrian areas. PROTECH ROAD PAINT is ideal for surfaces in car parks, yards, cycle paths and sidewalks, it also increases the resistance of the floor to wear, UV rays and chemical aggression.

CONSUMPTION: 2.0 kg/m² of PROTECH ROAD PAINT in two coats

PACKAGING: Pail 25 kg

COLOR: Gray - Green - Red - Blue - Yellow



DATA SHEET

Anti-graffiti protective solution for plasters and masonry



PROTECH GRAFFITI ONE SHOT

3824 9970

PROTECH GRAFFITI ONE SHOT is a ready-to-use transparent, water-based product formulated to protect buildings from vandalism and graffiti. With its special composition, PROTECH GRAFFITI ONE SHOT creates a barrier that prevents the dye from penetrating the material, maintaining the original breathability of the treated surface. If washed to remove any graffiti, this product must be re-applied in order to maintain the protection of the substrate.

CONSUMPTION: 0.15-0.30 kilograms of PROTECH GRAFFITI ONE SHOT per square metre of surface to be treated

PACKAGING: Plastic can 25 kg

COLOR: Milky white



DATA SHEET



PROTECH GRAFFITI PLUS

3824 9970

PROTECH GRAFFITI PLUS is a ready-to-use transparent, water-based product formulated to protect buildings from vandalism and graffiti. With its special composition, PROTECH GRAFFITI PLUS creates a barrier that prevents the dye from penetrating the material, maintaining the original breathability of the treated surface. This semi-permanent product can be washed up to 5-6 times before being re-applied.

CONSUMPTION: 0.10 kg of PROTECH GRAFFITI PLUS per square metre of surface to be treated

PACKAGING: Plastic can 25 kg

COLOR: Milky white



DATA SHEET

Asbestos encapsulation fixatives



ELASTOCAP-ABC

3209 1000

A single-component coating based on acrylic resins in aqueous dispersion for the permanent encapsulation of Type A (visible externally), B (visible internally) and C (invisible, prior to encasement) of asbestos sheeting, certified in accordance with the Ministerial Decree of 20th August 1999. ELASTOCAP-ABC is characterised by high flexibility, resistance to yellowing, good adhesion and the creation of a waterproof and crack-resistant membrane.

CONSUMPTION: 0.60 kilograms of ELASTOCAP-ABC per square metre of surface is to be applied in two coats

PACKAGING: Pail 20 kg - Pallet tank (IBCs) 1000 kg

COLOR: White - Gray - Red



D.M.20/08/1999
UNI 10686:1998

(cicli incapsulanti: A/B/C)



DATA SHEET



ELASTOCAP-D

3209 1000

A latex fixative that is penetrating, consolidating, flexibilising and reactive, with a base of styrene-butadiene copolymers in aqueous emulsion, for temporary D-type encapsulation of asbestos sheeting in the uninstalation and removal operations, with the addition of inorganic red pigment for improved visualisation of the treated surfaces.

CONSUMPTION: 0,30 kg of ELASTOCAP-D for every square metre of surface to be treated

PACKAGING: Spray bottle 1 kg - Plastic can 10 - 25 kg

COLOR: Red



D.M.20/08/1999
UNI 10686:1998

(cicli incapsulanti: D)



DATA SHEET

Ferrous oxides for concrete, mortar and plaster pigmentation



PROTECH OXICROM

2821 1000

PROTECH OXICROM is an inorganic oxide/hydroxide based powder compound. Added in appropriate quantities and homogeneously distributed, it is ideal for the pigmentation of cement or similar conglomerates, plaster and paint. PROTECH OXICROM oxides are available in yellow, red, brown, green, blue and black.

CONSUMPTION: Add from 1 to 10% of PROTECH OXICROM on the weight of the binder present in the mixture to the desired colour intensity

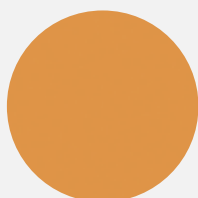
PACKAGING: Bag 25 kg

COLOR: Red - Brown - Yellow - Blue - Black - Green - Tobacco



DATA SHEET

TYPES OF TEXTURES APPLICABLE TO PAINTS AND PLASTERS



PAINTS

Application with: Brush, roller and spray.



MEDIUM PLASTERS

Application with: Trowel.
Ø max. = 1.0 mm



VERY FINE PLASTERS

Application with: Trowel.
Ø max. = 0.4 mm



THICK PLASTERS

Application with: Trowel.
Ø max. = 1.5 mm



FINE PLASTERS

Application with: Trowel.
Ø max. = 0.7 mm



THICK MAXI PLASTERS

Application with: Trowel.
Ø max. = 2.0 mm

N.B. The types of finish are shown here in full size.

ADMIX



LIQUID AND POWDER ADDITIVES PLUS
COMPLEMENTARY PRODUCTS



Fluidising liquid additives to reduce shrinkage and to improve thermal conductivity in radiant screeds



FLUID S

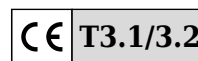
3824 4000

A super-plasticising, deaerating additive in aqueous solution for reducing the water/cement ratio and improving the workability of concretes, mortars, grouts and slurries, along with preparations with cement, lime and so on. Particularly suitable for concretes with silica fume, for packaging concretes with very high intrinsic water-tightness.

CONSUMPTION: Add 0,7 to 2,0 kg of FLUID S for each quintal of hydraulic binder present in the mixture

PACKAGING: Plastic can 10 - 25 kg - Pallet tank (IBCs) 1000 kg

COLOR: Brown



EN 934-2



DATA SHEET



FLUID SRA

3824 4000

A liquid agent for preventing shrinkage phenomena in cementitious mortars and concretes. The product also reduces dimensional shrinkage by 50% compared to the same mixture without additives, especially when the conditions for maturation in a humid environment are not obtainable. Excellent in combination with anti-shrinkage or structural fibres for the realisation of works with high structural performance. This product can be utilised in thixotropic and pourable structural mortars from the REPAR and GROUT families, in respect of the quantities indicated on the respective technical data sheets.

CONSUMPTION: Add 4 to 6 kg of FLUID SRA for each cubic metre of mixture to be made

PACKAGING: Bottle 1 kg - Plastic can 5 - 25 kg

COLOR: Transparent



DATA SHEET



FLUID THERM

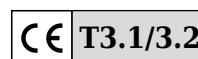
3824 4000

A polyvalent liquid additive, specifically for improving the thermal conductivity of cementitious conglomerates, through balanced actions such as that of a superplasticiser, deaerator or plasticiser. FLUID THERM is perfectly compatible in combination with READY MESH MM-150 steel fibres (usually dosed at 25 kg/m³) or READY MESH PM-180 multifilament polypropylene fibres (usually dosed at 1 kg/m³).

CONSUMPTION: 2.5 litres of FLUID THERM for every cubic metre of cement mix to be made

PACKAGING: Plastic can 10 - 25 kg

COLOR: Brown



EN 934-2



DATA SHEET

Liquid accelerators for sprayed concrete (shotcrete)



FLUID SPRITZ

3824 4000

A reactive silicate solution used to accelerate the setting of sprayed concrete and shotcrete, in the consolidation of outdoor rock and/or in tunnels, in the construction of self-supporting and waterproofing coatings for tunnels, canals, vaults, basins, underground works and so on. To be used with specific equipment for hydrated mixtures (blends in which the reactive silicate is nebulised with the shotcrete nozzle).

CONSUMPTION: Use from 10 to 15% of FLUID SPRITZ on the weight of cement present in the mixture to be projected

PACKAGING: Plastic can 25 kg – Tank 1350 kg

COLOR: Transparent



DATA SHEET



FLUID SPRITZ AF

2839 1900

An alkali-free solution of mineral reactants, used to accelerate the setting of sprayed concrete and shotcrete, in the consolidation of outdoor rock and/or in tunnels, in the construction of self-supporting and waterproofing coatings of tunnels, canals, vaults, basins, underground works and so on, utilised both dry and wet directly in the mix design of the concrete to be sprayed.

CONSUMPTION: Use 8-10% of FLUID SPRITZ AF on the weight of cement present in the mixture to exude

PACKAGING: Plastic can 25 kg – Tank 1050 kg

COLOR: Transparent



DATA SHEET

Powder additives for the packaging of injectable slurries, dehumidifying plasters and accelerated setting mortars



FLUID CABLE

3824 4000

FLUID CABLE is a powder product to be added to cement after mixing with a truly minimal content of water for fluid and injectable injection slurries, free from bleed water and shrinkage. The cement grouts obtained by adding the FLUID CABLE additive provide high flow values, elevated mechanical strength, protection from "stress corrosion" and exceptional adhesion to iron, thus being ideal for filling cable sheaths subjected to post-tensioning and for the structural strengthening of soils, concretes and uneven or unstable hollow masonry through low pressure injection. The product contains no chlorides or metal expansives.

CONSUMPTION: Add from 4 to 6 kg of FLUID CABLE for every 100 kg of hydraulic binder.

PACKAGING: Bag 25 kg

COLOR: White



EN 934-4



DATA SHEET

» Powder additives for the packaging of injectable slurries, dehumidifying plasters and accelerated setting mortars



SANATROCK SA

3824 5090

An additional binder compound to be added to predetermined quantities of clean and selected sand, to prepare macroporous, dehumidifying, restorative plasters on-site, for green building operations and in the restoration of historic buildings.

CONSUMPTION: With N.1 25 kg bag of SANATROCK SA normally 3.5 m² of wall with 2 cm of thickness can be plastered

PACKAGING: Bag 15 kg

COLOR: Light Gray



DATA SHEET



SANAFast

3824 5090

A premixed product that, when added during the mixing of our mortars in the REPAR, GROUT, FLOOR and RINFOR lines or to our natural hydraulic lime-based injection products (SANAFLUENS, MIKROSANA), accelerates setting and hardening times, with a rapid development of mechanical strength.

CONSUMPTION: SANAFast can be mixed in any proportion with any hydraulic binder

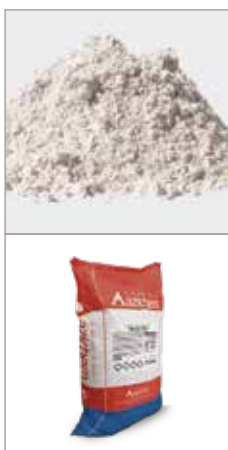
PACKAGING: Pail 10 kg

COLOR: White



DATA SHEET

Thickened micro silicates to improve the performance of concrete, mortar and slurry



MICROSIL 90 BIANCO

2839 9000

Selected white microsilicates for packaging high-performance conglomerates (waterproofing, chemical stability, mechanical resistance, etcetera), mortars, plasters, grouts, and sulphate-resistant and anti-wash-out concretes. MICROSIL 90 White is a very fine white powder with a particle size below 30 µm (with >99% passing through a 25 µm sieve).

CONSUMPTION: From 10 to 30 kg of MICROSIL 90 BIANCO for each cubic metre of concrete to be made

PACKAGING: Bag 20 kg

COLOR: White ivory



DATA SHEET



MICROSIL 90 GRIGIO

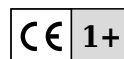
 2839 9000

Selected grey microsilicates (silica fume) for packaging high-performance conglomerates (waterproofing, chemical stability, mechanical resistance, etcetera), mortars, plasters, grouts, and sulphate-resistant and anti-washout concretes.

CONSUMPTION: From 10 to 30 kg of MICROSIL 90 GRIGIO for each cubic metre of concrete to be made

PACKAGING: Bag 20 kg

COLOR: Black



EN 13263-1 + A1



DATA SHEET

Natural Hydraulic Lime (NHL) 3.5



CALCESANA NOCCIOLA

 2522 3000

A natural hydraulic lime NHL 3.5 that is Hazelnut in colour and obtained through firing, in a traditional kiln at 1100° C, layers of selected calcareous marls with a consistent quality, specific for creating mortars, plasters and screeds for substrates in green building works and in historical and monumental restoration operations. The absence of clinker compounds and a high degree of free lime result in a slow and gradual setting, with a continuous increase in mechanical strength in the months following application.

CONSUMPTION: From 250 to 450 kg of CALCESANA NOCCIOLA for each cubic meter of dough to be made

PACKAGING: Bag 20 kg

COLOR: Hazelnut



DATA SHEET



CALCESANA BIANCA

 2522 3000

A natural white hydraulic lime obtained by firing marly limestone in vertical kilns at 1100° C, having a consistent quality and extracted from natural deposits. Particularly suitable for creating mortars, plasters and screeds for substrates in green building works and in historical and monumental restoration operations. The absence of clinker compounds and a high degree of free lime result in a slow and gradual setting, with a continuous increase in mechanical strength in the months following application.

CONSUMPTION: From 250 to 450 kg of CALCESANA BIANCA for each cubic meter of dough to be made

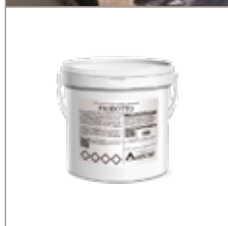
PACKAGING: Bag 20 kg

COLOR: White



DATA SHEET

Multifunctional polymer latex



BOND HG

3824 4000

A binding, adhesive, multifunctional latex in a viscous solution, light pink in colour, based on a special elastomer in aqueous dispersion, with coalescence promoters, deaerating agents and fillers with a super-pozzolanic reaction. BOND HG is a multifunctional, reactive, flexibilising and waterproofing compound for the preparation of adhesion primers, adhesion slurries, waterproofing coatings, as well as to improve the adhesion, adherence, deformability, impermeability and performance of mortars, plasters, grouts and concretes.

CONSUMPTION: Refer to the table shown in the product datasheet

PACKAGING: Pail 8 kg

COLOR: Pink



DATA SHEET



BOND PLUS

3824 400

An adhesive latex with a special flexibilising elastomer base along with deaerating agents and reactive alkaline silicate in aqueous dispersion, for adhesion primers/slurries and to improve adhesion along with the rheological conduct and physical-mechanical performance of mortars and plasters.

CONSUMPTION: Refer to the table shown in the product datasheet

PACKAGING: Bottle 1 kg - Plastic can 5 - 10 - 25 - Pallet tank (IBCs) 1000 kg

COLOR: White



DATA SHEET

Dried aggregates and cocchiopesto



GHIAIETTO 6.10

2517 1010

Select fine and dried gravel, with a particle size between 6 and 10 mm, specifically for adding to premixed structural mortars and plasters, both castable and thixotropic, to improve or correct the particle size curve based on the required increase in casting thickness.

CONSUMPTION: Variable

PACKAGING: Bag 25 kg

COLOR: Light Gray



DATA SHEET



LATERSANA

3824 4000

An additional compound based on "old" ground bricks and tiles, to be added to mixtures of hydraulic lime and aggregates for the preparation of mortars, plasters and screeds for substrates, similar to traditional "Opus signinum" compounds, for green building works and for the restoration of historic and monumental buildings.

CONSUMPTION: Variable

PACKAGING: Bag 25 kg

COLOR: Red - Yellow



DATA SHEET

Natural vitrifying agents for light aggregates (granular cork, expanded perlite and EPS beads)



SANAGLASS

2839 1900

A binding, consolidating, anti-evaporating solution with vitrifying reaction, having a dense consistency, comprised of silicate minerals in aqueous dispersion. For packaging insulating conglomerates, with a base of natural cork flour, expanded perlite or EPS pearls in operations to improve energy efficiency and in the restoration of historic and monumental buildings. For surface consolidation of mortars and concretes with an alkalisng and protective function. For the anti-evaporation and consolidating treatment of new screed, cementitious flooring and structural mortar surfaces.

CONSUMPTION: Variable

PACKAGING: Plastic can 25 kg - Pallet tank (IBCs) 1350 kg

COLOR: Transparent



DATA SHEET

Release agents for wooden and metal formwork



DISTAK-L

3403 1980

An anti-adhesive release agent that can be emulsified with water in ratios between 1:10 and 1:20, with a base of aromatic alkylates and specific agents, for the easy dismantling of wooden formworks during stripping. To be applied via spray or roller on dry and dirt-free formwork.

CONSUMPTION: With 1 litre of DISTAK-L, correctly applied, it is possible to treat approximately 50 m² of wooden formwork

PACKAGING: Plastic can 25 l - Barrel 220 l

COLOR: Orange



DATA SHEET

» Release agents for wooden and metal formwork



DISTAK-M

 3403 1980

A release agent with a base of select organic compounds, promoting detachment and with anti-corrosive agents, being ready-to-use and specific for metal moulds. DISTAK-M should be used undiluted, sprayed directly on the surfaces to be treated.

CONSUMPTION: With 1 litre of DISTAK-M, correctly applied, it is possible to consider an indicative yield of approximately 30-50 m², according to the quality of the formwork

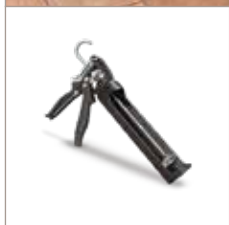
PACKAGING: Plastic can 25 l - Barrel 220 l

COLOR: Yellow



DATA SHEET

Extruder guns for products in cartridges and/or bags



ESTRUSORE PER CARTUCCE DA 300 CC

 8205 5910

A professional metal extrusion gun for products in 300 cc cartridges. Robust, ergonomic, easy to use and lightweight, it guarantees applications in the most disparate fields of traditional and specialised construction.

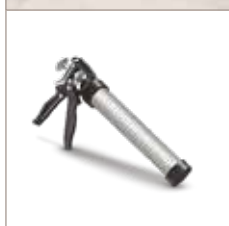
CONSUMPTION: Product to buy as needed

PACKAGING: Bulk material 1 unit

COLOR: Black



DATA SHEET



ESTRUSORE PER CARTUCCE DA 533/600 CC

 8205 5910

A professional metal extrusion gun for products in cartridges from 533 to 600 cc. Robust, ergonomic, easy to use and lightweight, it guarantees applications in the most disparate fields of traditional and specialised construction.

CONSUMPTION: Product to buy as needed

PACKAGING: Bulk material 1 unit

COLOR: Black e Gray



DATA SHEET



ESTRUSORE PER CARTUCCE DA 400 CC

 8205 5910

A professional metal extrusion gun for products in 400 cc cartridges, being ergonomic, easy to use and light-weight, to guarantee applications in the most disparate fields of traditional and specialised construction.

CONSUMPTION: Product to buy as needed

PACKAGING: Bulk material 1 unit

COLOR: Black e Red



DATA SHEET



ESTRUSORE PER CARTUCCE BIMIX DA 470 CC

 8205 5910

A professional metal extrusion gun for products in 470 cc two-chamber cartridges. Sturdy, ergonomic, easy to use and lightweight, to guarantee applications in the most disparate fields of traditional and specialised construction.

CONSUMPTION: Product to buy as needed

PACKAGING: Bulk material 1 unit

COLOR: Black e Green



DATA SHEET



ESTRUSORE PER CARTUCCE BIMIX DA 600 CC

 8205 5910

A professional metal extrusion gun for products in 600 cc two-chamber cartridges. Robust, ergonomic, easy to use and lightweight, it guarantees applications in the most disparate fields of traditional and specialised construction.

CONSUMPTION: Product to buy as needed

PACKAGING: Bulk material 1 unit

COLOR: Black



DATA SHEET





THEMATIC SITES



Our company portal www.azichem.com **has been online for over 20 years.** After the numerous improvements made over time and thanks to the ease of navigation and the option to quickly search through a tonne of continuously-updated information, our website is today considered by those in the construction sector as an irreplaceable tool of incredible effectiveness.

Sometimes, however, the technical data sheet of a product alone is not sufficient to describe the technological and application context or the correlations and complementarities with other synergistic products.

In such cases, to better expound on the information, twelve "Thematic Sites" have been designed and created, which extensively describe Azichem's most representative products and technologies.



CONCRETERepar

CONCRETE DEGRADATION: THE TRIGGERS AND SOLUTIONS TO BE ADOPTED

Carbonation, oxidation of reinforcing irons, concrete detachment, cracking, crumbling, etc.

The natural compatibility with the reinforcing rods, which affects and characterises the mechanical performance in flexion and traction, **combined with the relative ease of installation and the ductility** with which it is possible to realise works and structures with more articulated forms, **render concrete the best-known the best-known and most commonly used material in construction.**

Often, however, **multiple factors mean its duration proves to be limited over time**, unlike what was theorised at the dawn of this technology, where **concrete was thought to be "indestructible"**.



Some examples of causes deriving from the deterioration of concrete

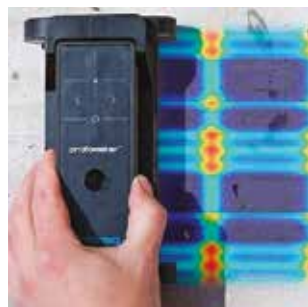
1) CRAZING (cracking) - 2) HONEYCOMB (loose stone foundation or gravel nests) - 3) SCALING (flaking or exfoliation) - 4) POPOUT (alkali-aggregate reaction) - 5) SPALLING (expulsion of the concrete cover) - 6) BUGHOLES (air bubbles)

THE MOST COMMON TYPES OF RECONDITIONING AND RESTORATION OPERATIONS ARE:

- Structural restoration and strengthening of works in reinforced concrete
- Restoration of balcony and terrace façades made of reinforced concrete
- Reconstruction and/or adjustment of road joints
- Sprayed concrete (spritz beton, gunite or shotcrete)
- Repair of horizontal - vertical cracks
- Securing latches, manholes, metal poles and other metal elements
- Structural casting between new and existing concrete

THE MAIN CAUSES OF REINFORCED CONCRETE DEGRADATION

- **Intrinsic**
Design defects, the use of low-quality concrete and/or improper installation
- **Physical/mechanical**
Thermal excursions, frost/thaw cycles, abrasion, erosion, erroneously-calculated mechanical stresses
- **Electrochemical**
Carbonation, disintegrating action of salts and chlorides, contact with low-hardness water, stray currents, chemical aggressions of various kinds



THE DIAGNOSTICS:

There are many types of checks that can be used to ascertain the health status of reinforced concrete structures, before deciding with sufficient certainty on the type of remediation to be carried out.

The most widespread diagnostic assessments are as follows:

VISUAL CHECKS	Oxidative evidence - cracking
CHECKING THE REINFORCEMENT	"Spalling" phenomena
PERCUSSION AND INCISION	Percussive response and surface hardness verification
TESTS WITH PHENOLPHTHALEIN	Depth of the carbonation
TEST WITH A PACOMETER	Presence and depth of reinforcement
SCLEROMETER TESTING	Compression estimate
ULTRASONIC TESTS	Homogeneity and endurance
PULL-OUT TESTS	Compressive strength
ANALYSIS ON CORING	Core compression test

THE IDEAL STRUCTURAL RECONDITIONING CYCLE

In an ideal world, the classic structural reconditioning cycle would be performed with a synergistic system with extremely high durability, realised with anti-corrosive and re-alkalising treatments, volumetric restoration with mortars that are exceptionally good, be they thixotropic or pourable, mono- or bi-component, and with a protective anti-carbonation finish.



Secure the state of deep internal reinforcement with migrating corrosion inhibitors and restore the original alkaline environment:

CONSILEX NO-RUST and/or **CONSILEX SAN**



Passivate oxidised rebars to halt further corrosion and protect them from contact with aggressive substances:

REPAR MONOSTEEL or **REPAR STEEL**



Reconstruct the sections missing due to degradation with structural cement mortars, being thixotropic, fibre-reinforced and non-shrink from the REPAR Line:

REPAR TIX or **REPAR TIX HG** or **REPAR TIX BIC**, ecc.



Reconstruct the sections missing due to degradation with structural cement mortars that are pourable, fibre-reinforced and non-shrink from the GROUT Line:

GROUT 2 or **GROUT 6** or **GROUT CR**, ecc.



Homogenise reconditioned surfaces with the retained originals, by shaving with suitable skimming cement mortars:

REPAR SM or **REPAR SM BIC** or **RASOGREY** or **RASOWHITE**, ecc.



Create a barrier to guard against carbonation by applying an elastomeric, water-repellent, breathable paint to the entire surface of the construction:

PROTECH WAC or **PROTECH WAC-T**



GROUTPower

STRUCTURAL, ANCHORING, FASTENING, REINFORCEMENT AND CONSOLIDATION OPERATIONS

Curing and thixotropic structural mortars, chemical anchoring, shaving and stucco, nets and accessories

GROUT POWER encapsulates the most advanced technologies and the greatest advantages developed by AZICHEM in **cement-matrix composites, in natural lime-based and composite systems:**

GROUTSystem: Products that are castable, antishrinkage, high technology, cementitious and/or limebased for structural consolidation, sealing and reinforcement.

RINFORSystem: Structural mortars and microconcretes, in combination with mesh and bars in glass and/or other specific accessories for reinforcement, improvement and seismic adaptation of flooring, masonry and concrete structures.

FLOORTECHSystem: Cementitious products and innovative technologies, specifically designed for new industrial flooring in concrete and to restore existing paving in calcestruzzo e per il ripristino di quelle esistenti.



CHARACTERISTICS AND BENEFITS

- **In the restoration of existing works:**
Small scale of the restoration.
- **In newly-built structures:**
High mechanical resistance for reducing the dimensions of the load-bearing elements.
- **In restoration and new works:**
High deformation and residual strength values due to the addition of fibres and special formulations of the "mix design".
- **Harsh environmental exposure:**
Physicochemical performance even after a brief curing – durability of the work.

GROUTSystem

SLURRIES, MICROMORTARS AND STRUCTURAL MORTARS FOR GROUTING, REINFORCEMENT AND STRUCTURAL CONSOLIDATION

(lime-based – cement-based – structural castables – structural castables with metallic micro-wire – structural castables with rapid curing)

- Bolstering reinforced concrete pillars, beams and crosspoints.
- Restoring edge beams, dosserets and technical joints in road infrastructure.
- Connecting seismic insulators to the foundation structures.
- Fastening connectors, pins, clamps, bars and reinforced seams.
- Precision anchors for heavy machinery characterised by significant dynamic stresses during the operational phases.
- Grouting micropiles in foundation structures.
- Injections on tie rods and sheaths in post-tensioned structures.
- Anchoring snow barriers, rockfall barriers and containment nets on slopes subject to landslide.
- Saturating damages and filling cracks on reinforced concrete components.
- Constructing impervious structures.
- Overall or precise consolidation of masonry structures in historic buildings.



RINFORSystem

PRODUCTS AND SYSTEMS FOR SECURING FLOORS AND WALLS

- Slab with mesh and connectors to prevent detachment.
- Slabs with mesh, connectors and fibre-reinforced composite mortar to prevent detachment.
- Anti-overturning masonry with mesh, connectors and fibre-reinforced composite mortar.
- Reinforced pointing of joints with helical stainless-steel bars and fibre-reinforced adhesive mortar.

FIBRE-REINFORCED MICROCONCRETES FOR STRENGTHENING, REPAIR AND SEISMIC ADAPTATION OF STRUCTURES

- Thin extradosal reinforcement layer in micro High-Performance Fibre-Reinforced Concrete (HPFRC) for masonry-cement slabs and mixed slabs in iron beam and masonry, wooden flooring.
- Thin reinforcement casing with micro High-Performance Fibre-Reinforced Concrete (HPFRC) for reinforced concrete structures: pillars, beams and beam/pillar crosspoints.

FLOORTECHSystem

PRODUCTS AND TECHNOLOGIES FOR CONCRETE FLOORING

- Non-reinforced concrete flooring;
- Reinforced concrete flooring;
- Fibre-Reinforced Concrete (FRC) flooring with conventional reinforcement;
- FRC flooring without conventional reinforcement.

NEWLY-CREATED FLOORING

- Concrete fibres
- Mineral additions (microsilicates, silica fume)
- High-performance cement dusting
- Sealants for joints
- Perimetral insulation strip
- Surface treatments

RESTORATION OF OLD FLOORING

- Thin adhesive screeds
- Medium-thickness adhesive screeds
- Adjustment levels



OPUSDry

DAMP IN THE MASONRY: THE TRIGGERS AND SOLUTIONS TO BE ADOPTED

Mould, saline efflorescence, flaking or odorous paint and plaster, etc.

HUMIDITY:

The main causes and the solutions to adopt in order to permanently eliminate damp

Moisture attacks all sorts of buildings, not only causing visible **damage but also latent and/or invisible harm, with a slow decay of materials** that often does not end with plaster staining and flaking but **can compromise the very structure of the construction.**

Azichem offers solutions to bring an end to all moisture problems through the use of remedial materials and procedures that are effective in achieving well-being and comfort in damp buildings.

The most obvious damp problems

- Flaking plaster, coatings and paints
- Condensation in cold and poorly-insulated walls
- Presence of biodeteriogens (mould, moss, lichens) in internal and external walls
- Accumulation and crystallisation of salts due to the transport of contaminants from damp soils
- Water infiltration for multiple reasons, both due to the decay of the structures and to accidental causes
- Structural impairment of electrical-chemical processes of oxidation and metal corrosion



WHEN IS A WALL DEFINED AS DAMP ?

- When its water content is **over 3% by weight** of the constituting materials
- When the wall is **not able to expel enough of the water** present in the constituting materials
- When significant amounts of **salts are present in a solution**, of varying origin and nature
- When recurrent adverse environmental conditions are present (**alternating "frost-thaw" cycles**)



The diagnostics

The correct approach to resolving moisture problems in buildings is to analyse any degradation in great detail and understand the causes behind the decay, be they individual or connected. In the case of a chain of causes, the diagnostic investigation can be very complex. For this reason, it must be conducted on the basis of a precise assessment plan by specialists in the sector, with the help of professional tools.



Technologies adopted in the main causes of damp

ATMOSPHERIC EVENTS	Fillers, sealing-impregnation stucco, paints and/or plasterwork
MOISTURE FROM CONDENSATION	Anti-mould treatments, thermo-insulating plasters, thermal paints
MOISTURE FROM CAPILLARY PENETRATION	Chemical barriers, dehumidifying macroporous plasters
INFILTRATION FROM UNDERGROUND	Hydro-expansive polyurethane resins + injection accessories
INFILTRATION FROM BALCONIES	Transparent non-film waterproofing, elastoplastic bituminous sealant, polyurea
MOISTURE FROM CONTACT WITH SOIL	Hydro-expansive resins, anti-mould treatments, osmotic cements, plasters and thermal paints, dehumidification systems
RESIDUAL CONSTRUCTION HUMIDITY	Wait for flooring, walls and other artifacts to dry naturally
ACCIDENTAL HUMIDITY	Repair of the fault and restoration of damaged finishes

Products and systems used

- **Fillers, putties, sealants:**
SANAXIL FILLER - FIBROSTUCK
SANAZIEG - PROTECH FLEX
- **Anti-mould treatment:**
CONSILEX MUFFA CLEANER
CONSILEX MUFFA REMOVER
- **Osmotic cement mortar:**
OSMOCEM RD
- **Insulating/macroporous plasters, dehumidifiers:**
SANATIGH - CALEOSANA - SANAWARME - SANAREG
UNTERSANA - SANATIGH - CALEOSANA - SANASTOF
- **Stains/emulsions:**
CONSILEX ALTRAIN - CONSILEX ALTRAIN WV
SANAREG
- **Waterproofing:**
SISTEMA PROTECH BALCONY
SISTEMA OSMOCEM FLEX
SISTEMA SYNTECH POLIUREA
- **Paints and/or plasters**
SANAXIL P - PROTECH SIL P - PROTECH SIL I
- **Thermal paints and/or plasters:**
SANAXIL P-THERM - PROTECH SIL P-THERM
SANAXIL I-THERM - PROTECH SIL I-THERM
- **Horizontal chemical barriers:**
CONSILEX BARRIER-A
CONSILEX INJECT MAUER
CONSILEX MAUER MONO
CONSILEX BARRIER CREAM
- **Hydro-expansive resins + injection accessories**
SYNTECH HAG FLEX - SYNTECH HAG ECO
SYNTECH HAG INIETTORE 120/170
SYNTECH HAG CONNETTORE
SYNTECH HAG CLEANER
SYNTECH HAG POMPA AZ-PT/B



SANAGeb

NATURAL BIO-BUILDING PRODUCTS FOR ECOLOGICAL RESTORATIONS, THERMAL INSULATION AND ENERGY SAVINGS

Green building, bio-architecture, sustainable building, bio-ecological architecture, eco-architecture, green building



SANAGEB Line: High performance with zero environmental impact

The **SANAGEB line** offers products made with **harmless components**.

These products offer:
WATERPROOFING, CONSOLIDATION, PLASTERING,
DEHUMIDIFYING, INSULATING, SHAVING, FILLING,
PAVING, GLUING, REVITALISING, PAINTING.

The broad range includes products designed to offer specific characteristics or benefits to existing exteriors or traditional materials to be used in constructing new coatings.

This is significant in terms of the **increase in benefits and functions** for traditional mortars produced with **natural hydraulic lime**.

ADVANTAGES AND BENEFITS

The materials of the SANAGEB line are produced following a meticulous selection of natural components, free from volatile organic and radioactive substances or harmful emissions in general, able to ensure the best levels of well-being during application and service life.

A complete list of ingredients is provided on the data sheet of each product to ensure total transparency.

- **The effectiveness of the stated product characteristics is guaranteed.**
- **There is a particularly balanced approach towards safeguarding confined environments.**
- **What's more, there are no issues related to the disposal of the materials at the end of life.**

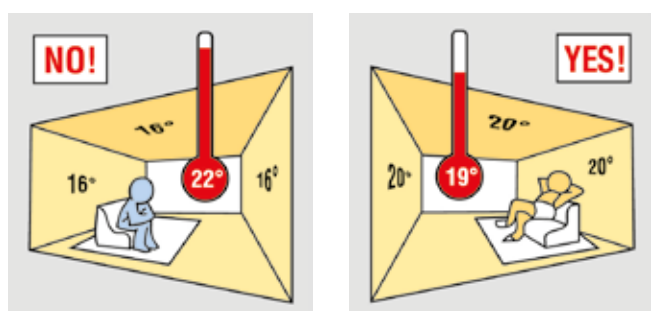


www.sanawall.com

SANAWall

THE NATURAL SOLUTION FOR ENERGY SAVINGS AND COMFORTABLE LIVING

Certified insulation system with thermal plaster coats, being breathable, dehumidifying, anti-condensation, with high thermo-acoustic capacity, for exteriors and interiors



SANAWALL: the breathable, ecological and certified thermal insulation system with mineral composite

Everyone wants to live in a house that is cool in summer and warm in winter, saving on gas and electricity bills, in a healthy environment free from mould, spores, fungal agents, condensation and unpleasant odours!

To achieve these objectives, thermal insulation on the interior and exterior walls of the house is crucial.

Using the **SANAWALL thermal insulation system** externally renders it possible to have a **home that is cool in summer and warm in winter, with a healthy environment, free of any form of environmental pollution.**

Breathability is one of benefits that sets this thermal insulation system apart from the majority of traditional "coats" on the market. It ensures a good level of water vapour exchange between the interior and exterior of the masonry, meaning **comfortable indoor living.**

ADVANTAGES OF THE SYSTEM

- **Cool in summer, warm in winter**
It wraps around the external and internal walls "like a coat", keeping them cooler in summer and warmer in winter.
- **Effectively corrects discontinuous thermal insulation** (thermal bridges).
- **Sound-insulating**
Offers great benefits for sound-absorption at high frequencies.
See the test report in the download section:
www.sanawall.it
- **Certified system**
The guarantee of products that **comply with CE requirements**, measured in accordance with EN regulations and **certified** by Laboratories and Research Centres in terms of breathability, thermal conductivity and many other thermo-physical parameters.

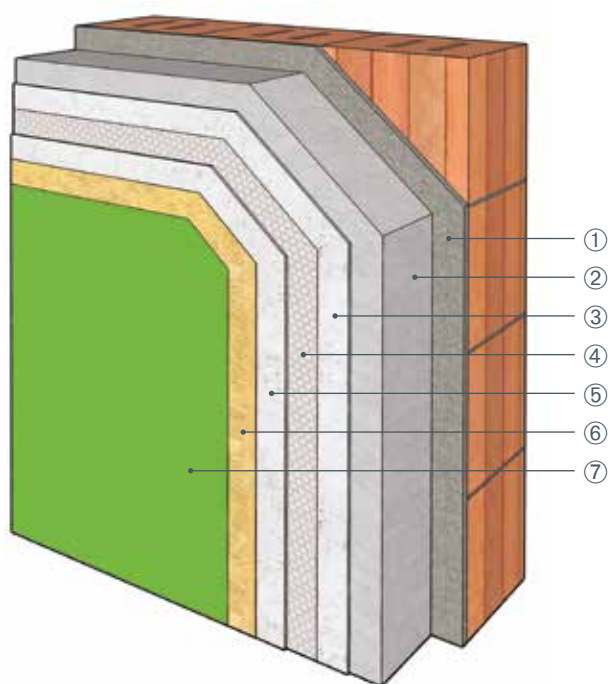


Thanks to the synergy between the different products of which it is composed, the **SANAWALL system** is able to combine in a substantially-mineral cycle: **energy efficiency, durability, improved comfort in the home and high decorative value**. The SANAWALL system is a **complete cycle with thermal-insulating plastering and a thermal-reflective finish**, consisting of a package of

products, each with its own specific function.

The system draws inspiration from traditional executive techniques of Italian construction culture, with a modern adaptation in terms of green building and high-performance raw materials.

The SANAWALL system is basically comprised of: putty, thermal plaster, skimming and finishing products.



STRATIGRAPHY OF THE SANAWALL SYSTEM

- | | |
|------------------------------------|-------------------------|
| 1) UNTERSANA (Rough Coat) | 7) Painting or Plaster: |
| 2) SANAWARME (Thermo-plaster) | SANAXIL P-THERM |
| 3) SANASTOF (Skimmer) | PROTECH SIL P-THERM |
| 4) ARMAGLASS 160 (Fibreglass Mesh) | SANAXIL I-THERM |
| 5) SANASTOF (Skimmer) | PROTECH SIL I-THERM |
| 6) SANAFIX ((Fixative) | |

Plastering cycle products	Type	Typical thicknesses (mm)	Kg/m ²
UNTERSANA	Breathable anti-salt rough coat	3-6	4-8 (^)
SANAWARME	Dehumidifying thermal plaster	20-60	8-24 (^)
SANASTOF	Macroporous mineral skim coat	2-3	2-3 (^)

Products with various finishes (*)	Type	Typical thicknesses (mm)	Kg/m ²
SANAXIL P - THERM	Thermal silicate painting	0,15	0,3 (^)
PROTECH SIL P - THERM	Thermal silicate painting	0,15	0,3 (^)
SANAXIL I - THERM	Thermal silicate plaster	1-2	1,6-3 (§)
PROTECH SIL I - THERM	Siloxane thermal plaster	1-2	1,6-3 (§)

(*) The different finishes must be preceded by priming with the SANAFIX liquid impregnating agent.

(^) Indicative consumption in accordance with the thicknesses applied.

(§) Indicative consumption in accordance with the chosen particle size.



FLOORTECH Prerit

INTEGRATED SYSTEM FOR CREATING WASHED GRAVEL FLOORING

Deactivating surface grip and complementary products for architectural floors with a low environmental impact

FLOORTECH PRERIT:

The architectural flooring with exposed washed aggregates

The flooring in “**architectural concrete**” or “**washed gravel**” is a traditional paving in concrete that can be driven over or not, with the difference being, through a specific “**deactivating**” surface treatment, exalting the aggregates that compose the inside.

In this way, the indisputable properties of concrete are combined with a value and high-quality aesthetic result that perfectly integrates with the surrounding environment, being visually very similar to the colours of natural stone.



FIELDS OF APPLICATION

- YARDS
- PLAYGROUNDS
- AREAS SUBJECT TO ARCHITECTURAL CONSTRAINTS
- REDEVELOPMENT OF AVENUES
- CYCLE LANES
- RESIDENTIAL BUILDINGS, ETC.



SYSTEM ADVANTAGES

- **Certified high quality**
UNI EN ISO 9001/2015 - EN 14889-1/2 (CE)
- **High performance**
Supports, integrates or replaces traditional metal reinforcement
- **Versatile**
Different specific models for every type of application
- **Easy to use**
Water soluble bags and pre-dosed boxes
- **Cost effective**
They considerably reduce the final cost of designed traditional reinforcement



APPLICATION SEQUENCE:

- 1) CREATION OF TRADITIONAL FIBRE-REINFORCED CONCRETE SUBSTRATE
- 2) PACKAGING OF THE GRAVEL CONCRETE TO BE DEACTIVATED
- 3) LAYING THE GRAVEL CONCRETE TO BE DEACTIVATED
- 4) SMOOTHING THE GRAVEL CONCRETE TO BE DEACTIVATED
- 5) APPLICATION OF THE SURFACE SET DEACTIVATOR/RETARDANT
- 6) HIGH-PRESSURE WASHING OF THE FLOOR SURFACE
- 7) REALISATION AND SEALING OF JOINTS
- 8) CONSOLIDATING, ANTI-DUST, WATER-REPELLENT TREATMENT OF THE FINISHED SURFACE

RAW MATERIALS AND PRODUCTS CONTAINED IN THE SYSTEM

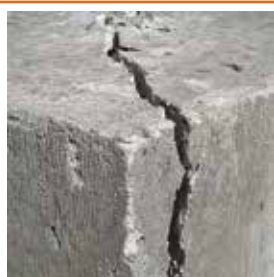
SUBSTRATE CONCRETE (Thickness of about 10 cm)	Cement - natural aggregates - water	-
	Structural reinforcement fibres in strand polypropylene	READYMESH PF-540
GRAVEL CONCRETE TO BE DEACTIVATED (Thickness of about 5 cm)	Cement - natural aggregates and coloured sand water	-
	Auxiliary non-shrink fibres in multifilament polypropylene	READYMESH PM-120
POWDER ADDITIVES To be added to the concrete in "Gravel to be Deactivated"	Additional compound for improving the performance of the concrete's characteristics	PRERIT COMPOUND
	Ferrous oxides in various colours	PROTECH OXICROM
SURFACE HOLD DEACTIVANT	Set retardant with anti-evaporation effect	PRERIT SOLUTION
SURFACE TREATMENTS	Water-oil repellent, anti-stain treatment	PRERIT SURFACE
JOINT SEALING PRODUCTS	Compressible non-stick cord in closed-cell expanded polyethylene	FILTENE FONDOGIUNTO 15
	Single-component, moisture-curing polyurethane sealant with a high modulus of elasticity	PROTECH FLEX



READYMesh

TECHNOLOGIES FOR STRUCTURAL REINFORCEMENT AND COMBATING CRACKING PHENOMENA IN CONCRETE

Structural and auxiliary fibres in polypropylene and steel for all types of construction applications



THE PROBLEM



THE SOLUTION

READYMESH:

A DIFFERENT FIBRE MODEL FOR EVERY PROBLEM TO SOLVE!

Concrete is often a material that offers little resistance, with a natural tendency to crack during plastic/hygro-metric phases and, if not adequately "reinforced", has little resistance to tensile stress.

Errors in mix design, during packaging and use can compromise its compactness and strength, with negative results in terms of impermeability, thermal resistance, impact, wear and time.

In many cases, the right fibre – **in steel, polypropylene or a mix of both** – at the right time can be an **effective and economical** answer to problems involving cracking, consistency, durability and even structural concrete, in any field of use

READYMESH®, the historic brand from Azichem, which **has been synonymous with reinforcing fibres for high quality concrete** since 1987, thanks to constant research and a complete and unique range of products, is able to meet the most varied needs of professionals in the sector.



SYSTEM ADVANTAGES

- **Certified high quality**
UNI EN ISO 9001/2015 - EN 14889-1/2 (CE)
- **High performance**
Supports, integrates or replaces traditional metal reinforcement
- **Versatile**
Different specific models for every type of application
- **Easy to use**
Water soluble bags and pre-dosed boxes
- **Cost effective**
They considerably reduce the final cost of designed traditional reinforcement



THE COMPLETE RANGE OF READYMESH FIBRES

MODEL	DESCRIPTION	LENGHT	USE	MODEL	DESCRIPTION	LENGHT	USE
PF-540 	Stranded structural polyolefin macro-fibre 	mm 54,0	Industrial flooring. Prefabrication. Three-dimensional diffusion reinforcement.	PW-120 	Fibrillated auxiliary polypropylene micro-fibre	mm 12,0	Foundation screeds. Thin casts. Prefabrication. Industrial flooring.
PF-180 	Stranded structural polyolefin macro-fibre	mm 18,0	Thin industrial flooring. Prefabrication. Three-dimensional diffusion reinforcement.	MX-500 	Structural carbon steel macro-fibre 	mm 50,0	Industrial flooring. Prefabrication.
PS-480 	Monofilament structural polyolefin macro-fibre 	mm 48,0	Shotcrete. Massive castings, beds, foundations, slabs. Marine structures.	MF-500 	Structural carbon steel macro-fibre 	mm 50,0	Industrial flooring. Prefabrication.
PS-380 	Monofilament structural polyolefin macro-fibre 	mm 38,0	Shotcrete. Prefabricated structures. Ballasts in cement mix, etc. Marine structures. Industrial flooring.	MS-350 	Structural carbon steel macro-fibre	mm 35,0	Shotcrete. Grouts. Structural concrete. Prefabrication.
PM-180 	Multi-filament auxiliary polypropylene micro-fibre 	mm 18,0	Foundation screeds. Thin casts. Prefabrication. Concrete works in general.	MM-150 	Carbon steel macro-fibre	mm 15,0	Heat-conducting screeds. Anti-shrinkage mortars and plasters. Prefabrication. Industrial flooring.
PM-120 	Multi-filament auxiliary polypropylene micro-fibre 	mm 12,0	Foundation screeds. Thin casts. Prefabrication. Concrete works in general.	MR-200 	Brass-plated steel macro-fibre 	mm 20,0	Structural mortars with discrete thickness. Plasters. Prefabrication. Concrete works in general.
PM-060 	Multi-filament auxiliary polypropylene micro-fibre 	mm 6,0	Three-dimensional and diffused reinforcement in small manufactured structures. Thin plaster. Concrete works in general.	MR-060 	Brass-plated steel macro-fibre	mm 6,0	Thin structural mortars. Plasters. Prefabrication. Concrete works in general.



OSMO Cem

RIGID, DEFORMABLE AND FLEXIBLE CEMENT-BASED OSMOTIC WATERPROOFING COMPOUNDS

Waterproofing cementitious plasters, grout and mortar able to withstand the force of the water in conditions of positive and negative thrust.



THE WATER BARRIER; CEMENTITIOUS, ADHERENT, DIFFUSIVE, WATERPROOF

Water infiltration can only be blocked by rendering the containment structure waterproof, which requires being able to support the hydrostatic thrust.

Through **deep osmotic diffusion**, OSMOCEM products can be applied both in conditions of direct (positive) thrusts and (negative) counter-thrusts.

Thanks to the unique technological characteristics, the fields of use and the distinctive application methods, these are considered as **"special waterproofing"**, able to facilitate operations both during construction, in the event of traditional waterproofing, and for subsequent procedures as part of the works themselves under altered operating conditions or operations following unexpected events (seepage, permeation, moisture, and so on).

SYSTEM ADVANTAGES

- SUITABLE FOR APPLICATION BOTH IN CONDITIONS OF DIRECT THRUST AND INDIRECT COUNTER-THRUSTING
- ABLE TO REPLACE TRADITIONAL WATERPROOFING SYSTEMS WITH ELASTOMERIC SHEATHS
- INSTANTANEOUSLY STOPS WATER INFILTRATION
- ALLOWS REPAIRS TO BE CARRIED OUT ON SUBSTRATES WITH RUNNING WATER



FIELDS OF USE

WATERPROOFING OF CONTAINMENT STRUCTURES PERPETUALLY IN CONTACT WITH WATER, INCLUDING POTABLE WATER.

WATERPROOFING AND REPAIR OF CONCRETE STRUCTURES:

- WALLS
- STAIRS
- TERRACES
- BALCONIES
- ROOFING

QUICK STOPPAGE OF WATER INFILTRATION

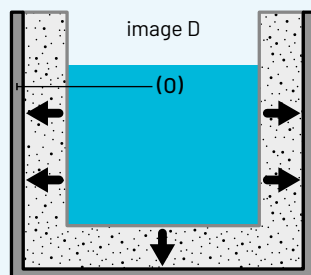
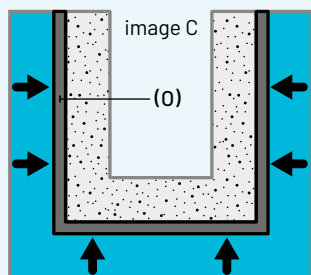
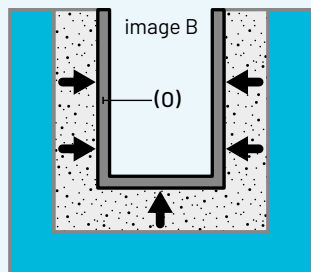
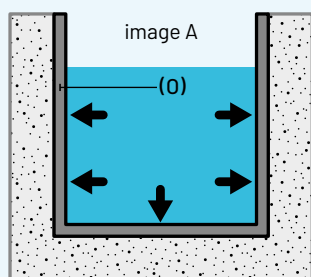
- CHANNELLING
- PIPELINES
- ELEVATOR PITS
- CELLARS
- GARAGES

HYDRAULIC SEALING OF COUPLING HOUSING

ON-GRADE AND BELOW-GRADE WORKS IN GENERAL

To the side:
Examples of conditions of positive hydrostatic thrust (Images A and C) and negative hydrostatic counter-thrust (Images B and D)

(O) = Osmotic Coating



THE PRODUCTS

AZICHEM osmotic cementitious waterproofing comprises a broad and complete range of special products distinguished in terms of performance and functionality, characterised by the simplicity of application, the presence of microfibres in PP and/or three-dimensionally diffused glass, rigid single component or deformable two-components, with normal or rapid setting.

SINGLE-COMPONENT, RIGID, OSMOTIC CEMENTITIOUS COMPOUNDS WITH NORMAL SETTING.

- OSMOCEM N
- OSMOCEM MR
- OSMOCEM AC
- OSMOCEM SCK
- OSMOSANA

SINGLE-COMPONENT, RIGID, OSMOTIC CEMENTITIOUS COMPOUNDS WITH RAPID SETTING.

- OSMOCEM QUICK
- OSMOCEM 447

DEFORMABLE TWO-COMPONENT OSMOTIC CEMENTITIOUS COMPOUNDS.

- OSMOCEM D
- OSMOCEM RD
- OSMOCEM FLEX
- OSMOCEM iTOP



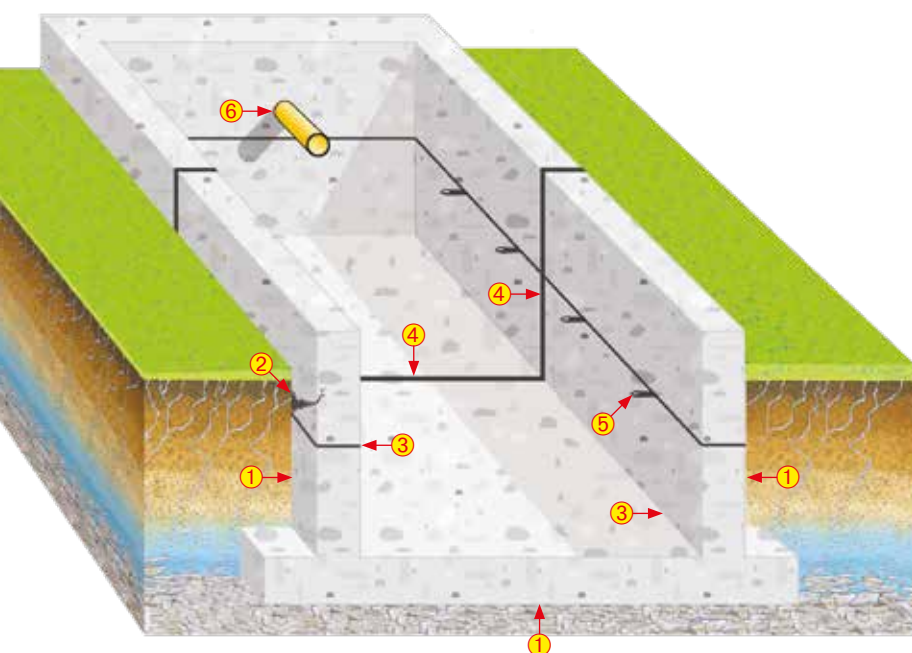


www.pro-seal.com

PROSeal

HYDRAULIC SEALING DEVICES FOR BUILDING WORKS AND STRUCTURES, BOTH ABOVEGROUND AND UNDERGROUND

Hydro-expansive and PVC waterstops, sodium bentonite sheeting, tapes, strips, caps for formwork spacers and surface treatments



THE MAIN CAUSES OF WATER INFILTRATION IN BASEMENTS

Water is an unwanted guest that can turn up in buildings, permeating and infiltrating them, often travelling along unpredictable pathways.

List of most likely water infiltration points.

- (1) Porous and inconsistent concrete (crawl spaces)
- (2) Cracks
- (3) Continuation of horizontal and vertical casts
- (4) Movement of horizontal and vertical joints
- (5) Formwork spacers (blade and tubular in PVC)
- (6) Around tubing

SYSTEM ADVANTAGES

- **Great ease of installation**
Fasten with nails and washers, with epoxy resin or with cement mortars, etc.
- **Adaptable and compatible to any surface**
Concrete, bricks, natural stone, steel, laminate, wood, etc.
- **The mostly likely water infiltration points are**
Edge beams, cartridges, gaskets, rings and hydro-expansive caps; PVC profiles; self-adhesive butyl tapes and elastic bands.



PRODUCTS AND TECHNOLOGIES FOR THE PREVENTION OF INFILTRATION IN BUILDINGS

Azichem offers a broad range of products and technologies to prevent and/or block the most varied types of water infiltration and to treat the surfaces of buildings generally, with consolidating and/or water-repellent products.

HYDRO-EXPANSIVE PRODUCTS

Bentonite mats and waterstops:

Flexible waterproofing mats containing granular sodium bentonite and waterstop joints in sodium bentonite, hydro-expansive rubber and special aggregating polymers (hydrocarbon), suitable for both alkaline and brackish water and/or leachate, assisted by fine netting and/or mastic sealants.

Rubber waterstops:

Waterstop in hydro-expansive rubber supplied in flexible tapes supported by joint stop mastic sealants or in extrudable cartridges with normal dosing guns.

Seals for formwork spacers:

Patented hydro-expansive rubber rings and caps of various sizes for the safe hermetic seal of spacers, bladed, with iron rods and/or PVC piping, in concrete castings.

Sealing compound for conduit pipes:

Slightly expansive sealing compound for waterproofing underground pipes in masonry structures, through which one or more technical cables pass.

WATERPROOFING PROFILES, TAPES AND MEMBRANES

Waterproof profiles in PVC:

In a range of natures and sizes to be utilised in static or dynamic joints, in a central position to the casting or resting on the substrates beneath the reinforcement.

Elastic tapes and straps with netting:

Adhesive tapes in butyl rubber and meshed elastic membranes in various sizes.

SEALANTS

Polyurethane and epoxy-polyurethane:

With different modulus of elasticity, packaged in cartridges or in metal tins.

SURFACE TREATMENTS

Consolidating and/or water- and oil-repellent, being water-based or solvent-based, to treat both horizontal and vertical surfaces of buildings.



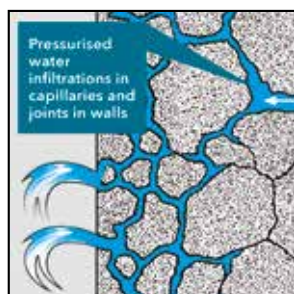
SYNTECH H.a.g.

INTEGRATED SYSTEM TO IMMEDIATELY STOP WATER INFILTRATION IN BUILDINGS

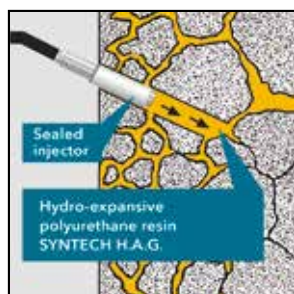
Injectable hydro-expansive polyurethane resin to permanently seal cracks and cavities

WATER INFILTRATION IS NO LONGER A PROBLEM

SYNTECH H.A.G. technology consists of creating a waterproof barrier to water infiltrations using specific injections of hydro-expansive polyurethane resin in concrete that is cracked, porous due to "crawl spaces" or presenting faulty expansion joints.



THE PROBLEM



THE SOLUTION

SYNTECH H.A.G. resins are supplied in two formulations with different expansion capacities, used differently according to needs. They are injected into well-identified points, detected by means of diversified injection patterns and adapted to the various contexts, through specific "flat-head" metal injectors, until quickly and definitively blocking all water access routes – infiltrations from cracks in negative thrust, from formwork spacers both in steel blades and/or rods and in PVC piping, from connections between floor and wall and from wall and floor, or else from rigid or expansion joints, gravel nests, through-pipes, polystyrene predalles slabs, etc.



SYSTEM ADVANTAGES

- **It is easily injected**
in concrete structures and solid brick walls in general, using high pressure pumps (40 to 200 bar), manual or electric
- **In contact with water, it is characterised by a very short reaction time**
(from 30 seconds to 1 minute)
- **Rapidly increases its initial volume**
(10 to 20 times)
- **Quickly seals infiltrations, even if considerable**
- **The volume of the foam remains stable within the crevice into which it is injected**



FIELDS OF USE		SYSTEM COMPONENTS
	STRUCTURES AND MANUFACTURED CONTAINMENTS Dams, basins, aqueducts, tanks, swimming pools, purification systems, etc.	 SYNTECH H.A.G. - FLEX Hydro-expansive polyurethane resin (10 times the expansion in contact with water) that remains permanently flexible.
	UNDERGROUND STRUCTURES AND BUILDINGS Underground storeys, cellars, garages, lifts, etc.	 SYNTECH H.A.G. - ECO Hydro-expansive polyurethane resin (20 times the expansion in contact with water) that remains permanently flexible.
	STRUCTURES GENERALLY BELOW GROUND LEVEL Galleries, tunnels, pressure pipes, underpasses, sewers, etc.	 SYNTECH H.A.G. - CLEANER Lubricant cleaning agent, specifically for pumping equipment used during injection operations.  SYNTECH H.A.G. INIETTORE 120 e 170 “Flat-head” injectors in rubber and steel in two sizes (120 and 170 mm) specifically for injections, to insert in opens, cracks, crawl spaces, joints, cavities, etc. to waterproof.  SYNTECH H.A.G. CONNETTORE Specific accessory to use with flat-head injectors.  POMPA PER RESINE AZ-PT/B Manual, single piston, self-priming pump, with a simple effect, specifically for injecting polyurethane and/or epoxy liquid resin (without aggregates). Maximum pressure the pump can supply: 40 bar; flow rate: 1 litre in 55 cycles.



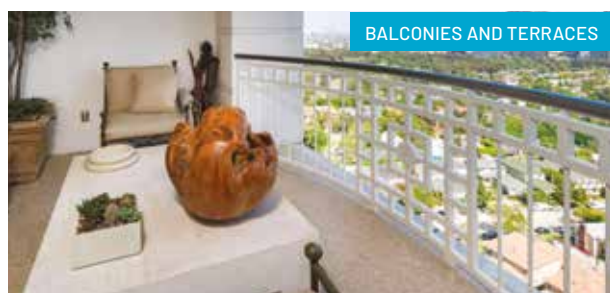
PROTECH Balcony

STOP WATER INFILTRATION ON TILED TERRACES, BALCONIES AND STAIRS

Transparent non-film waterproofing to be applied without demolishing the existing flooring on horizontal surfaces not subject to vehicular traffic.

PROTECH BALCONY is a concentrated solution of catalysed organic polymers and silicon resins that create an extensive internal waterproof barrier that is non-film, highly water-repellent, and able to fill and seal any porosity and micro-cracks up to 1 mm, without inhibiting transpiration.

For over twenty years, the **PROTECH BALCONY system** has quickly and easily remedied water infiltration and permeation problems in terraces, balconies, staircases, tiled showers, concrete and masonry works, resolutely saving time and money.



BALCONIES AND TERRACES



WALKABLE FLAT ROOFING



TILED STAIRS



SYSTEM ADVANTAGES

- Transparent, non-film
- No need to remove existing flooring
- Applicable on clinker, fine porcelain stoneware, cement, terracotta, stone and raw agglomerates
- Penetrates and seals cracks of up to 1 mm
- Walkable after two hours and after ensuring the removal of any excess product
- Resistant to thermal shocks and UV rays
- High performance and long-lasting efficiency

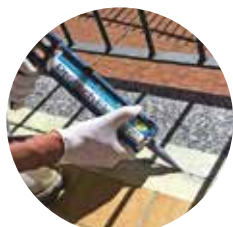


APPLICATION SEQUENCE



1) DEEP CLEANING OF TILED FLOORING

Onto the surface, pour DETERG-A detergent diluted with water at a ratio of 1:4, then distribute the solution with a push broom.



2) SEALING JOINTS TO STOP ANY POSSIBLE MOVEMENT

*(Carry out only if and where necessary)**
Seal the joints subject to any possible movement with the specific PROTECH FLEX polyurethane sealant in an extrudable cartridge.



3) APPLICATION OF THE SPECIAL TWO-COMPONENT WATERPROOF SEALANT IN THE JOINTS BETWEEN THE TILES

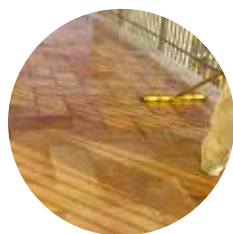
(Fill only if and where necessary)
Apply STUCCO BALCONY using a metal trowel or a gloved hand.



4) POURING PROTECH BALCONY ON THE SURFACE TO BE TREATED

Allow any grouting in the joints between the tiles to harden then pour PROTECH BALCONY on the surfaces to be treated.

*N.B. Only apply the product on dry surfaces.***



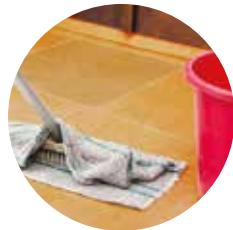
5) APPLYING PROTECH BALCONY ON THE SURFACE TO BE TREATED

Apply and distribute PROTECH BALCONY on the entire surface to be waterproofed, using a push broom.



6) TIPS FOR USING PROTECH BALCONY

Keep going with the application until all difficult spots have been covered with PROTECH BALCONY.



7) REMOVAL OF EXCESS RESIDUES OF PROTECH BALCONY

About an hour after application, use nitro thinner to remove any surplus of PROTECH BALCONY, which can be detected by traces of whitish residue caused by stagnation in small depressions of the flooring or from excess product being applied.



8) COMPLETE WATERPROOFING

Applying the products properly, in accordance with this sequence, will result in the treated surfaces showing a "pearl effect" when struck by rain, with a unique hydrophobisation typical of drops of water on a lotus flower.

* Preliminarily, insert a length of polyethylene foam FILTENE FONDOGIUNTO 10 at the base of the joint before applying the specific adhesive primer PROTECH FLEX PRIMER on the walls of the joint

** Do not apply PROTECH BALCONY when rain is forecast nor immediately after a downpour, as this may impact its effectiveness. Always wait until the surfaces to be treated are perfectly dry



SYNTECH **Poliurea**

HOT-SPRAYED PURE POLYUREA FOR LIMITLESS WATERPROOFING AND COATINGS

Bi-component, elastic liquid membrane in pure heat-vaporised polyurea, for extremely high-performing waterproofing and coatings.



EN 1504-2
Products and systems for the protection
and repair of concrete structures.
Concrete surface protection systems



SYNTECH POLIUREA is a two-component resin made of pure polyurea with high elasticity and swift crosslinking to spray on hot, for the coating, protection and continuous waterproofing of a whole host of building materials, in their complex surface and structural joints.

It is applied at a **minimum thickness of 2 mm** with special airless bi-mixer pumps at **high pressure (approximately 210 bar)** and **hot-vaporised (at about 70° C)** on any type of material, **crosslinking and solidifying within a few seconds**.



SYSTEM ADVANTAGES

- Waterproof
- Up to 600% deformability
- Rapid hardening (6-8 seconds)
- Solvent and odour free
- Certified for contact with potable water
- Certified for contact with foodstuffs
- Slip-proof
- Walkable after 60 seconds
- Crack bridging ability
- Can be painted over with all RAL colours
- Absence of junctions and overlaps
- Usage temperatures between -15 and +70° C
- Exceptional chemical-mechanical resistance
- Encapsulating each type of support



SYSTEM PRODUCTS	
SYNTECH POLIUREA PRIMER - EPOXY	Two-component epoxy primer for cementitious, marble and wood surfaces
SYNTECH POLIUREA PRIMER - EPOXY METAL	Two-component epoxy primer specifically for metal surfaces
SYNTECH POLIUREA PRIMER - PUR	Single-component polyurethane primer specifically for bituminous sheaths
SYNTECH POLIUREA SPRAY-N	Pure polyurea for waterproofing and protective coatings in general
SYNTECH POLIUREA SPRAY-FL	Pure polyurea specifically for application on driveway surfaces and parking lots in general
SYNTECH POLIUREA SPRAY-FC	Pure polyurea specific for contact with potable water and food substances in general
SYNTECH POLIUREA TOP COATING	Protective coating based on aliphatic polyurethane resins

SYNTECH POLIUREA has been used and much appreciated for over 30 years on the global market thanks to its exceptional chemical, physical, mechanical and performance characteristics, in the field of **durable waterproofing, protection** and coatings for countless types of applications and **on any substrate**.



CERTIFICATE OF REGISTRATION

This is to certify that the Management System of:

AZICHEM S.r.l.

Head Office in: Via Gentile, 16/A - 46044 Goito (MN) / Italy

has been assessed by Intertek as conforming to the requirements of:

ISO 9001:2015

The Management System is applicable to

Development and manufacture of special products for building and building industry, for new buildings, restoration and renovation of civil, industrial, historic and monumental buildings.

IAF: 16

The validity of this certificate is subject to periodic surveillances

Certificate Number:

0012025

Initial Certification Date:

04 December 2002

Certification Decision Date:

20 November 2020

Certificate Issue Date:

20 November 2020

Certificate Expiry Date:

20 November 2023



Intertek

Calin Moldoveanu

Presidente, Business Assurance

Intertek Italia S.p.A.

Via Miglioli, 2/A

20063 Cernusco sul Naviglio (MI)

ITALIA



SGQ N° 044A

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC

Signatory of EA, IAF and ILAC Mutual Recognition Agreements



Intertek Italia Spa is a ACCREDITA for QMS accredited body under schedule of accreditation no. 044A.

In the issuance of this certificate, Intertek assumes no liability to any party other than to the Client, and then only in accordance with the agreed upon Certification Agreement. This certificate's validity is subject to the organisation maintaining their system in accordance with Intertek's requirements for systems certification.

Validity may be confirmed via email at certificate.validation@intertek.com or by scanning the code to the right with a smartphone. The certificate remains the property of Intertek, to whom it must be returned upon request.





ISTITUTO PER LA TUTELA DEI PRODUTTORI ITALIANI

Made in Italy 100% Certificate

REGISTRAZIONE N° IT01.IT/2231.070.V

SI ATTESTA CHE
This is to certify that

AZICHEM

E' UN MARCHIO CERTIFICATO AVENTE I REQUISITI DEL
SISTEMA IT01 - 100% QUALITA' ORIGINALE ITALIANA
acts according to system IT01 - 100% Original Italian Quality

QUESTA CERTIFICAZIONE E' INOLTRE VALIDA PER IL SEGUENTE CAMPO APPLICATIVO:

This certificate is also valid for the following product or service range:

VARIE / PREMISCELATI IN POLVERE E LIQUIDI PER L'EDILIZIA
Miscellaneous / Premixed powders and liquids for the building industry

DITTA PRODUTTRICE E DISTRIBUZIONE:
Manufacturer and distribution Company:

AZICHEM SRL
Via G. Gentile, 16/A - 46044 Goito (MN)

SISTEMA IT01 - 100% QUALITA' ORIGINALE ITALIANA
The certified Company:

Questi prodotti sono:

A - IDEATI E FABBRICATI INTERAMENTE IN ITALIA

A.1 - Realizzati con disegni e progettazione esclusivi dell' Azienda

A.2 - Costruiti interamente in Italia

A.3 - Realizzati con semilavorati italiani

A.4 - Con tracciabilità delle lavorazioni

B - COSTRUITI CON MATERIALI NATURALI DI QUALITÀ

B.1 - Materiali naturali individuali o composti

B.2 - Materiali di qualità e prima scelta per l'uso previsto

B.3 - Con tracciabilità della provenienza delle materie prime

C - COSTRUITI SU LAVORAZIONI TRADIZIONALI TIPICHE

C.1 - Particolari lavorazioni aziendali

C.2 - Utilizzo di tecniche tradizionali tipiche

D - REALIZZATI NEL RISPETTO DEL LAVORO IGIENE E SICUREZZA

D.1 - Realizzati nel pieno rispetto del lavoro

D.2 - A norma igiene sanità e sicurezza su luoghi e prodotti

Products must be:

A. - DESIGNED AND MANUFACTURED ENTIRELY IN ITALY

A.1 - Based on company's own project and design

A.2 - Fully manufactured in Italy

A.3 - Made with Italian Components

A.4 - Complete work traceability in Italy

B - MADE WITH QUALITY NATURAL MATERIALS

B.1 - Natural materials or Natural compounds

B.2 - Quality, first choice materials

B.3 - Raw materials's origin Full traceability

C - BUILT ACCORDING TO TRADITIONAL WORKING METHODS

C.1 - Use of the company's specific Workmanship

C.2 - Use of traditional Workmanships techniques

D - MADE IN OBSERVANCE OF EMPLOYEES, HEALTH AND SAFETY STANDARDS

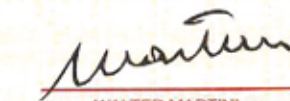
D.1 - Ethical treatment of Employees

D.2 - Manufactured according to the Hygiene, Healthcare and Safety regulations

Organismo Asseverante:

Supporting unit:

PROMINDUSTRIA SPA


WALTER MARTINI
President




NAZZARENO VITA
Director

MILANO, 24/07/2020

LA VALIDITA' DEL PRESENTE CERTIFICATO MADE IN ITALY E' SUBORDINATA AL RIESAME COMPLETO DEL SISTEMA CON PERIODICITA' ANNUALE
The validity of this Made in Italy Certificate is subjected to a periodical complete annual inspection

www.azichem.com



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