

The benchmark
in building
materials.

● Restoration ● Construction ● Consolidation ● Finishes



For 35 years,
we have been
producing
materials to
transform
projects into
prestigious
environments.

- Restoration
- Construction
- Consolidation
- Finishes



RESTORATION, CONSTRUCTION, CONSOLIDATION, FINISHES.

From minor upgrades to extensive ventures spanning global horizons, we specialise in crafting bespoke materials tailored to fulfil the demands of clients and an ever-evolving market landscape.

With 35 years of expertise, our dedicated research and development unit, coupled with our in-house manufacturing capabilities, enables us to create cutting-edge, high-performance products that uphold superior quality standards.

Solid support for companies, architects, builders and engineers who want to rely on certified products, which not only enhance the prestige of the project itself, but above all play a fundamental role in terms of safety, durability, energy efficiency and sustainability of the building, contributing to the full satisfaction of all stakeholders.



Quality is our best calling card.

3,000 square metres where our engineers, chemists and industry experts work together on a daily basis to create customised and tailor-made products that meet the highest quality standards.

Every TCS-branded material is in fact certified according to standards that guarantee their properties, reliability and safety, ensuring not only the quality of the product itself, but also of the projects for which they are used.





Customised professional counselling.

During these 35 years of experience we have handled a wide range of projects, gaining a deep understanding of the challenges and opportunities posed by construction and consolidation, and developing solid skills in project management and client needs.

Through our customised consultancy service, we extend our industry expertise to businesses, professionals, and individuals, guiding them towards the most fitting solutions to address their specific needs.



We produce with sustainable impact.

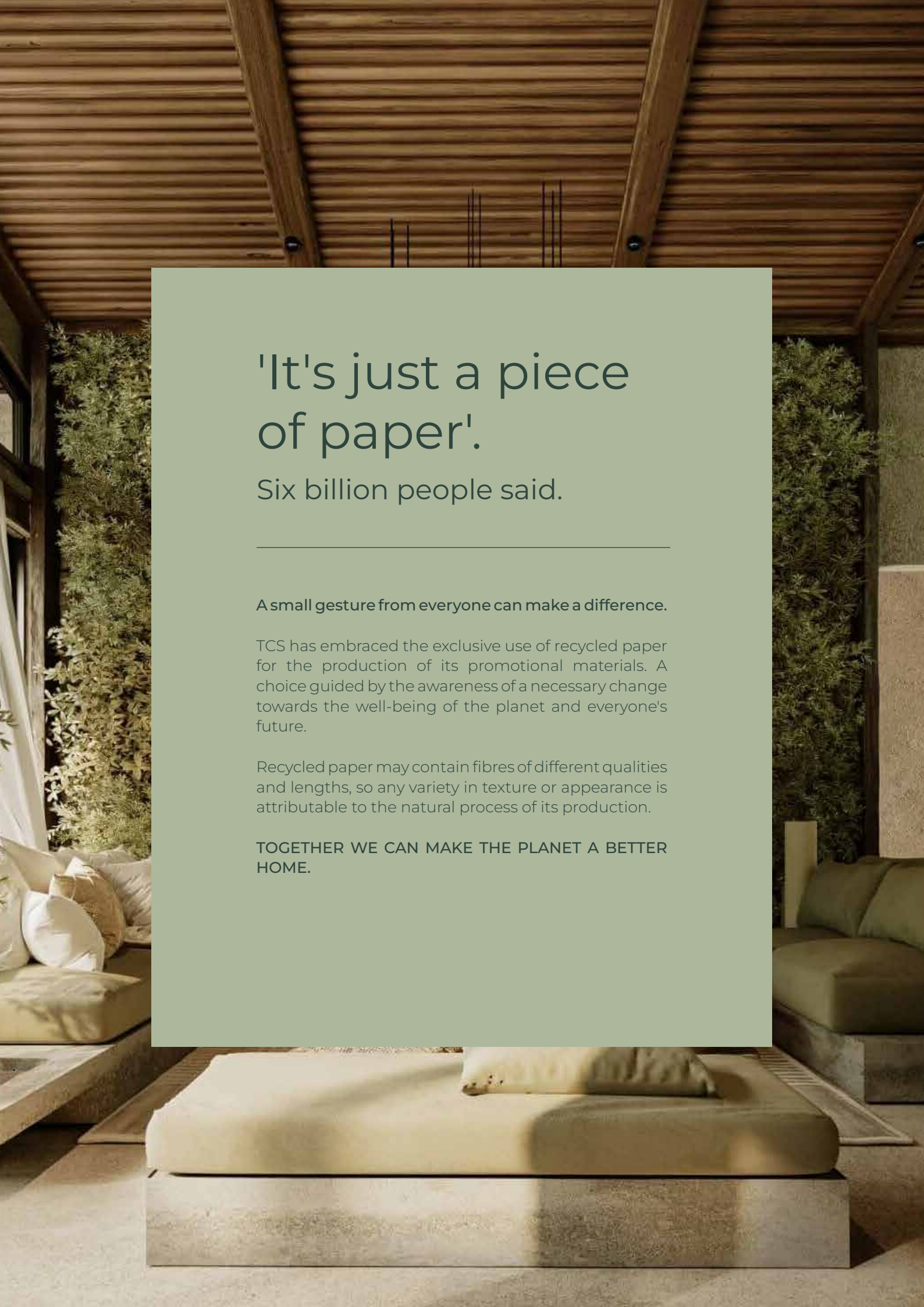
At a time when environmental awareness is no longer negligible, TCS is actively working to adopt responsible practices at the heart of business operations.

Develop and enforce policies centred on the use of natural materials, invest in energy-efficient technologies, implement waste reuse and recycling strategies, and attain certifications like CAM Certification, ensuring adherence to environmental standards to identify the most environmentally-friendly product/service.

Indeed, the CAM compliance assessment considers various factors across the product lifecycle, including determining recycled content, evaluating emissions of volatile and hazardous organic substances, and promoting sustainable disposal management practices.

These are some of the actions that TCS promotes not only as a duty, but also as an opportunity to build a collective mindset geared towards the well-being of the **planet and the future of all.**





'It's just a piece of paper'.

Six billion people said.

A small gesture from everyone can make a difference.

TCS has embraced the exclusive use of recycled paper for the production of its promotional materials. A choice guided by the awareness of a necessary change towards the well-being of the planet and everyone's future.

Recycled paper may contain fibres of different qualities and lengths, so any variety in texture or appearance is attributable to the natural process of its production.

TOGETHER WE CAN MAKE THE PLANET A BETTER HOME.

Table of contents

RESTORATION

- 1. LIMES**
 - STORICAL CL 90.....page 20
 - NHL 2.....page 24
 - NHL 3.5page 26
 - NHL 5.....page 28

- 2. MORTARS AND PLASTERS**
 - INTOSTORICO.....page 32
 - INTOCOCCIO.....page 34

- 3. COLOURED MORTARS AND PLASTERS**
 - INTOCOLOR.....page 38
 - INTOCOLOR V.....page 40
 - INTOCOLOR F.....page 42

- 4. TERRE COLORATE**
 - TERRE COLORATE.....page 46

- 5. GRANULATES**
 - COCCIOPESTO.....page 50

- 6. CONSOLIDATING TREATMENTS**
 - TC RINFORZANTEpage 54
 - TC 35.....page 56

- 7. WATERPROOF PROTECTION**
 - TI 10page 60
 - TI 10 PLUSpage 62

BUILDING

- 1. ADHESION PROMOTERS**
 - SPRIZZO PONTE DI ADESIONEpage 72
 - TC AGGRAPPANTEpage 74

- 2. NEW BUILT**
 - ECO-CALpage 78
 - BIO 130page 80

- 3. THERMAL INSULATION**
 - CLIMATHERMpage 84
 - CLIMATHERM Mpage 86

- 4. RENEWAL AND DEHUMIDIFICATION**
 - SPRIZZO ANTISALEpage 90
 - SPRIZZO CONTROSPINTA.....page 92
 - INTOPOREpage 94
 - INTOPORE AR.....page 96
 - IDROGEL.....page 98

- 5. SMOOTHING ADHESIVE**
 - ADE RAS.....page 102

- 6. SUBBASES AND SCREEDS**
 - ISOLFONDOpage 106
 - POMICA MASSETTOpage 108
 - MASSETTO DRENANTEpage 110

- 7. LIME AND HEMP**
 - ISOCANNApage 114

- 8. WATERPROOFING**
 - IDROCALCEpage 118
 - BANDELLA/CORNERBOND ...page 120

- 9. MESH**
 - TCS GLASS CK100page 124
 - TCS GLASS CK155page 126
 - TCS GLASS N40page 128

- 10. PANEL THERMAL INSULATION**
 - WOOL PANEL MINERAL MWD.....page 132
 - HEMPANEL PANEL D100 HEMP.....page 134
 - HEMPANEL PANEL D30 HEMPpage 136
 - TCV BOLTpage 138
 - AL PROFILE.....page 139
 - DRIP SPLITTER WITH MESH.....page 140
 - PVC ANGLE WITH MESH.....page 141
 - NC TAPE.....page 142

CONSOLIDATION

1. STRUCTURAL MORTARS AND PLASTERS

- B-STRUCTURA INIEZIONE
OPUSpage 152
- CLIMATHERM ARpage 154
- B-STRUCTURA Gpage 156
- B-STRUCTURApage 158
- B-STRUCTURA 10Fpage 160
- B-STRUCTURA 15F.....page 162
- MATERICApage 164

2. SISTEMA FORTIUS

- TCS GLASS MR44page 168
- TCS GLASS MR48page 170
- TCS GLASS MR88page 172
- TCS GLASS MR812page 174
- TCS GLASS MR1212page 176
- TCS GLASS CORNER MR48.....page 178
- TCS GLASS CORNER MR88.....page 180
- TCS GLASS CONNECTORpage 182
- V-FIX ANCORANTE VINILESTERE...page 184

3. CARBO-STRUCTURA SYSTEM

- ELAN-TECH MC256/W256page 188
- TCS CARBON U300page 190

4. CONNECTIONS

- TCS TWIST 6A2page 194
- TCS TWIST 9A2page 196
- TCS TWIST 12A4.....page 198
- TCS DRIVER.....page 200
- TCS REBAR Cpage 202
- TCS REBAR G.....page 204

FINISHES

1. ADHESIVE SMOOTHING COMPOUNDS

- INTOCIVILE 0.0 NATURALE.....page 214
- INTOCIVILE 0.4 NATURALE.....page 216
- INTOCIVILE 0.8 NATURALE.....page 218
- INTOCIVILE 0.8 BIANCO
BOTTICINO.....page 220

2. LIME

- STORICAL AFFRESCOpage 226
- STORICAL TONACHINO 0.35....page 228
- STORICAL TONACHINO 0.75....page 230
- STORICAL TONACHINO 1.1.....page 232
- STORICAL TONACHINO
NATURALE.....page 234
- STORICAL MARMO OPACOpage 238
- STORICAL MARMO LUSTRO.....page 240
- PASTELLONE.....page 244

3. ANTIMOULDING THERMAL PAINT

- THERMICAL DETERGENTEpage 250
- THERMICAL PITTURA.....page 252

4. SILICATES

- KAPPASIL FONDO.....page 256
- KAPPASIL RIEMPITIVO.....page 258
- KAPPASIL PITTURApage 260
- KAPPASIL TONACHINO 0.75....page 262
- KAPPASIL TONACHINO 1.1.....page 264
- KAPPASIL TONACHINO 1.5.....page 266

5. PROTECTIVE

- AKQUASHIELDpage 272
- ANTICA CERA '500page 274

ACCESSORIES

- ROTORS/STATORSpage 278
- TCS BIT.....page 279



Restoration

PRESERVING THE PAST TO WRITE THE FUTURE

Our mission is simple: to offer compatible materials that respect the authenticity and integrity of the works during the restoration process.

Thanks to our 35 years of experience and in-depth knowledge of traditional techniques, we are able to offer customised solutions that meet the highest standards of quality and authenticity.

From pigments to binders, from mortars to specialised consolidation, we provide the most appropriate materials and advanced counselling to preserve and enhance works of art and historic buildings.





Restoration

1. Limes
 2. Mortars and plasters
 3. Coloured mortars and plasters
 4. Powders and pigments
 5. Granulates
 6. Consolidating treatments
 7. Waterproof protections
-



We give the past
a new life
with skill
and passion.



1. Limes

TCS is the exclusive distributor of PURE Natural Hydraulic Limes from Saint-Astier, a French region in the Dordogne known throughout the world for the abundance of a particular type of siliceous limestone, white and homogeneous in colour, capable of producing Natural Hydraulic Limes with outstanding mechanical, chemical and physical performance.

The Saint-Astier Hydraulic Limes are offered by TCS in three different variants: NHL 2, NHL 3.5 and NHL 5, are totally free of pozzolanic materials, blast furnace slag, fly ash or hydraulic binders of any kind, cement clinker, are totally free of VOC and comply with UNI EN 459-1.

- STORICAL CL 90
- NHL 2
- NHL 3.5
- NHL 5

STORICAL CL 90

STORICAL CL 90 is a pure lime putty consisting exclusively of fully hydrated calcium hydroxide $\text{Ca(OH)}_2 > 98\%$.

STORICAL CL 90 obtained by firing pure limestones in vertical kilns at temperatures below 900°C , matured for a long time, minimum 24 months, fully hydrated and classified as **CL 90-S PL** in conformity with UNI EN 459-1. **STORICAL CL 90** is free of any impurities such as cores or raw limestones.



-
- Ecological
 - Disinfecting
 - Restoration
 - Breathable
 - Resistant
 - Recyclable
 - Versatile
 - Healthy
 - Antibacterial
 - Anticondensation
 - Anti-mould
 - High adhesion
 - Reversible
 - Easy
 - Consolidating agent
 - Resistant to pollution
 - Green building
 - CL 90

Technical Data



PRODUCT TYPE:

Aerated lime CL 90-S PL UNI EN 459-1
for indoors and outdoors

EC 2010 LIMIT VALUE OF VOC (cat.A/a) 30 g/l:

Max VOC 10 g/l

DENSITY:

Average $1,260\text{ kg/m}^3$

CONSUMPTION:

Variable according to use

RESISTANCE TO AQUEOUS VAPOUR

DIFFUSION EN 1015-19:

Sd 0,045 m

PACKAGING:

20 kg bucket

PALLET:

36 buckets (720 kg)

STORAGE:

No expiry date in original packaging
unopened in a dry place away from heat and
frost.

Application



Application temperature



Application with brush



Indoor/outdoor application



Application with airless



Mixing with H₂O according to desired effect



Drying time



Manual mixing



Protect from atmospheric events

Fields of application

STORICAL CL 90 is specifically designed for the application of glazing and priming in the field of conservative restoration of existing heritage. It can be applied to various types of vertical and horizontal subbases, both internal and external, both new and existing such as: rustic plaster of any type and nature (lime and/or cement based) previously levelled with products from the TCS smoothing plaster line. STORICAL CL 90 can be used to create marbling directly on site with the addition of aggregates of the colour and grain size of your choice, depending on the desired aesthetic effect. STORICAL CL 90 used for the creation of edge-saving mortars, reconstruction of damaged parts, or for the consolidation of frescoes by means of small injections into the sub-layer, ensuring that the natural composition of the product will not compromise the final result both aesthetically and functionally.



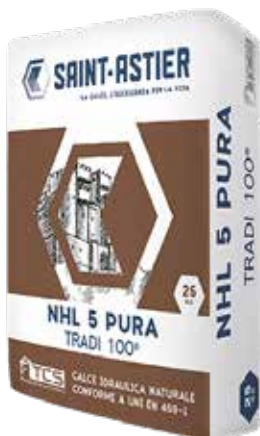
NHL 2

Weakly hydraulic, having 58% Ca(OH)_2 (Calcium Hydroxide) and average compressing strength at 28 days between 3 and 4 MPa. Specific for restoration work; reconstruction of mouldings; filling gaps on frescoed walls; consolidation injections of old plaster or frescoes; in all interventions where elasticity, adhesion to the subbase and absence of soluble salts are required.



NHL 3.5

Medium hydraulic, containing 32% Ca(OH)_2 (Calcium Hydroxide) and average 28-day compressing strength ≥ 8 MPa. Suitable for repairing deteriorated plaster and dehumidifying; injection of masonry consolidation; laying terracotta flooring in the traditional method; laying Venetian-style beaten and seeded floors; in all those operations where mechanical resistance and elasticity and total absence of soluble salts are required.



NHL 5

Highly hydraulic, containing 19% Ca(OH)_2 (Calcium Hydroxide), with an average compressive strength at 28 days ≥ 10 MPa. Ideal in masonry consolidation works; consolidating renders; bedding mortars for stone, brick or mixed masonry; subbases; plasters in marine or weathered environments, interventions where adhesion, mechanical performance and the absence of soluble salts are fundamental characteristics.



NHL 2

It is a pure **NATURAL HYDRAULIC LIME** from SAINT-ASTIER with low strength, white in colour, produced using selected siliceous limestones.

The limestones are fired in vertical kilns at a temperature of less than 1,250° C and reduced to a powder by extinguishing the calcium oxide alone, without the need for grinding. **NHL 2** is totally free of pozzolanic materials, blast furnace slag, fly ash or hydraulic binders of any kind (clinker, cement, etc.), VOC and is compliant with UNI EN 459-1.



- Dehumidifying
- Ecological
- Disinfecting
- Slag-free
- Chromium-free
- Radon-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Recyclable
- Ash-free
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- NHL 2

Technical Data



PRODUCT TYPE:

Pure Natural Hydraulic Lime NHL UNI EN 459-1

Ca(OH)₂:
58%

APPARENT BULK DENSITY IN A PILE:

Average 500 kg/m³

CONSUMPTION:

250-350 kg/m³ inert

APPLICABLE THICKNESS PER LAYER:

Variable depending on use and mixing ratio

PACKAGING:

25 kg bag

PALLET:

40 bags (1,000 kg)

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Casing application indoor/outdoor



Application with trowel



Mixing with variable H₂O depending on the ratio



Application with plastic/steel float



Manual mixing



Variable thickness



Mechanical mixing



Drying time



Peristaltic pump mechanical application



Protect from atmospheric events

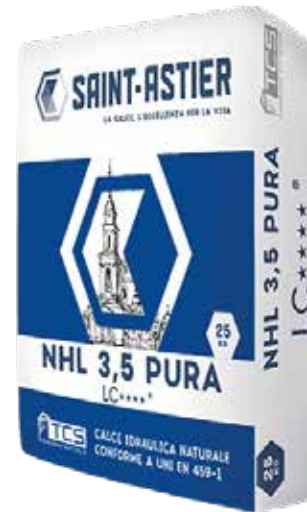
Fields of application

Pure Natural Hydraulic Lime **NHL 2** can be used directly on the building site as a binder for grouting mortars, in the consolidation of cracks in frescoes by injection, reconstruction of mouldings, restoration of thin joints, adhesion of detached plaster, and in all cases where elasticity is a fundamental prerogative. Mortars and plasters made from Pure Natural Hydraulic Lime **NHL 2** can be directly applied to vertical and horizontal surfaces consisting of solid brickwork, load-bearing hollow bricks, light hollow bricks, mixed bricks, stone and tuff. For all those surfaces that are compact or not very absorbent, such as concrete blocks, expanded clay granules, cellular conglomerate, lime or cement-based rolled surfaces, reinforced concrete or magnesium wood structures, the use of mortars made on site with **NHL 2** lime must be preceded by the application of **SPRIZZO PONTE DI ADESIONE**.

NHL 3.5

It is a pure medium-strength white **NATURAL HYDRAULIC LIME** from SAINT-ASTIER, produced using selected siliceous limestones.

The limestones are fired in vertical kilns at a temperature of less than 1,250° C and reduced to a powder by extinguishing the calcium oxide alone, without the need for grinding. **NHL 3.5** is totally free of pozzolanic materials, blast furnace slag, fly ash or hydraulic binders of any kind (clinker, cement, etc.), VOC and is compliant with UNI EN 459-1.



- Dehumidifying
- Ecological
- Disinfecting
- Slag-free
- Chromium-free
- Radon-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Recyclable
- Ash-free
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- NHL 3.5

Technical Data



PRODUCT TYPE:
Pure Natural Hydraulic Lime NHL 3.5 UNI EN 459-1

Ca(OH)₂:
32%

APPARENT BULK DENSITY IN A PILE:
625 kg/m³

INDICATIVE CONSUMPTION:
250-350 kg/m³ inert

APPLICABLE THICKNESS PER LAYER:
Variable depending on use and mixing ratio

PACKAGING:
25 kg bag

PALLET:
50 bags (1,250 kg)

STORAGE:
18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Casing application indoor/outdoor



Application with trowel



Mixing with variable H₂O depending on the ratio



Application with plastic/steel float



Manual mixing



Variable thickness



Mechanical mixing



Drying time



Peristaltic pump mechanical application



Protect from atmospheric events

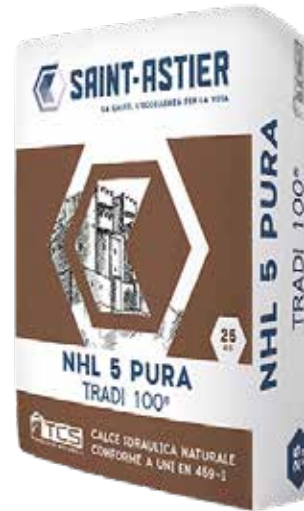
Fields of application

Pure Natural Hydraulic Lime **NHL 3.5** can be used directly on the building site as the sole binder for mortar for masonry in elevation, as bedding or grouting mortar, in consolidation works by injection, for structural mortars with TCS Consolidation Line meshes, traditional plasters and as sub-base screeds or flooring. Mortars and plasters made from Pure Natural Hydraulic Lime **NHL 3.5** can be directly applied to vertical and horizontal surfaces consisting of solid brickwork, load-bearing hollow bricks, light hollow bricks, mixed bricks, rubble and tuff. For all those surfaces that are compact or not very absorbent, such as concrete blocks, expanded clay granules, cellular conglomerate, lime or cement-based rolled surfaces, reinforced concrete or magnesium wood structures, the use of mortars made on site with **NHL 3.5** lime must be preceded by the application of **SPRIZZO PONTE DI ADESIONE**

NHL 5

It is a pure high-strength white **NATURAL HYDRAULIC LIME** from SAINT-ASTIER, produced using selected siliceous limestones.

The limestones are fired in vertical kilns at a temperature of less than 1,250° C and reduced to a powder by extinguishing the calcium oxide alone, without the need for grinding. **NHL 5** is totally free of pozzolanic materials, blast furnace slag, fly ash or hydraulic binders of any kind (clinker, cement, etc.), VOC and is compliant with UNI EN 459-1.



- Dehumidifying
- Ecological
- Disinfecting
- Slag-free
- Chromium-free
- Radon-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Recyclable
- Ash-free
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- NHL 5

Technical Data



PRODUCT TYPE:
Pure Natural Hydraulic Lime NHL 5 UNI EN 459-1

Ca(OH)₂:
22%

APPARENT BULK DENSITY IN A PILE:
Average 770 kg/m³

CONSUMPTION:
250-350 kg/m³ inert

APPLICABLE THICKNESS PER LAYER:
Variable depending on use and mixing ratio

PACKAGING:
25 kg bag

PALLET:
50 bags (1,250 kg)

STORAGE:
18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Casing application indoor/outdoor



Application with trowel



Mixing with variable H₂O depending on the ratio



Application with plastic/steel float



Manual mixing



Variable thickness



Mechanical mixing



Drying time



Peristaltic pump mechanical application



Protect from atmospheric events

Fields of application

Pure Natural Hydraulic Lime NHL 5 can be used directly on the building site as the sole binder for mortar for masonry in elevation, as bedding or grouting mortar, in consolidation works by injection, for structural mortars with TCS Consolidation Line meshes, traditional plasters and as sub-base screeds or flooring. Mortars and plasters made from Pure Natural Hydraulic Lime **NHL 5** can be directly applied to vertical and horizontal surfaces consisting of solid brickwork, load-bearing hollow bricks, light hollow bricks, mixed bricks, rubble and tuff. For all those surfaces that are compact or not very absorbent, such as concrete blocks, expanded clay granules, cellular conglomerate, lime- or cement-based rolled surfaces, reinforced concrete structures, or magnesium wood, the use of mortars made on site with **NHL 5** lime must be preceded by the application of **SPRIZZO PONTE DI ADESIONE**.

2. Mortars and plasters

Biocompatible Eco Plaster, pre-packaged
dehumidifying powder for interior and exterior use.

- Intostorico

INTOSTORICO

It is a Biocompatible Eco Plaster, pre-packaged dehumidifying powder plaster for interior and exterior use complying with UNI EN 998-1.

INTOSTORICO is totally free of cement and compounds belonging to the clinker group and consists of a mixture of pure limestone sands, screened with a continuous grain size range from 0 to 2.5 mm. The only binder present is Pure Natural Hydraulic Lime NHL in accordance with UNI EN 459-1. Lime NHL, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by extinguishing the calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.



- Dehumidifying
- Ecological
- Chromium-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Recyclable
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- Quick
- Reversible
- Easy
- Green building

Technical Data



PRODUCT TYPE:

General purpose mortar (GP) for interior and exterior use compliant with EN 998-1

GRAIN SIZE CURVE EN 1015-1:

0-2.5 mm

APPARENT BULK DENSITY IN A PILE:

Average 1400 kg/m³

CONSUMPTION:

14 kg/m² approx. for 1 cm thickness

APPLICABLE THICKNESS PER LAYER:

1-2 cm

PACKAGING:

25 kg bag

PALLET:

48 bags (1,200 kg)

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Indoor/outdoor application



Application with trowel



Mixing with H₂O
5-7 L



Application with plastic/steel float



Manual mixing



Thickness per coat
1-2 cm



Mechanical mixing



Drying time
2-3 days
+20°C



Stator/rotor mechanical application



Protect from atmospheric events

Fields of application

INTOSTORICO is specifically designed for the formation of dehumidifying plasters on new and old masonry, for low thicknesses up to 4 cm and for the smoothing of mortar joints. Easily worked with the techniques traditionally used in the application of lime plasters. **INTOSTORICO** can be applied directly to vertical and horizontal surfaces consisting of solid brickwork, load-bearing hollow bricks, light hollow bricks, mixed bricks, stone and tuff. For all those compact or poorly absorbent surfaces such as solid or hollow concrete blocks and expanded clay granules, cellular conglomerate blocks, lime or cement-based subbases, reinforced concrete or magnesium wood structures, the use of **INTOSTORICO** must be preceded by the application of **SPRIZZO PONTE DI ADESIONE**.

INTOCOCCIO

is a Biocompatible Eco Plaster, pre-packaged in powder form for interior and exterior use in accordance with UNI EN 998-1.

INTOCOCCIO is totally free of cement and compounds belonging to the clinker group and consists of a mixture of pure limestones sands and high quality earthenware, screened in a continuous grain size range from 0 to 2.5 mm. The only binder present is Pure Natural Hydraulic Lime NHL 5 in accordance with UNI EN 459-1. Lime NHL 5, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by the extinguishing of calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.



- Dehumidifying
- Ecological
- Chromium-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Recyclable
- Healthy
- Anticondensation
- Anti-mould
- NHL 5
- Quick
- Reversible
- Easy
- Green building
- Resistant to pollution

Technical Data



PRODUCT TYPE:

General purpose mortar (GP) for interior and exterior use compliant with EN 998-1

GRAIN SIZE CURVE EN 1015-1:

0-2.5 mm

APPARENT BULK DENSITY IN A PILE:

Average 1400 kg/m³

CONSUMPTION:

14 kg/m²/cm thickness

APPLICABLE THICKNESS PER LAYER:

1-2 cm

PACKAGING:

25 kg bag

PALLET:

48 bags (1,200 kg)

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Floor application indoor/outdoor



Application with trowel



Mixing with H₂O depending on the ratio



Application with plastic/steel float



Manual mixing



Thickness per coat depending on use



Mechanical mixing



Drying time



Peristaltic pump mechanical application



Protect from atmospheric events

Fields of application

INTOCOCCIO is specifically designed for the formation of traditional dehumidifying earthenware plaster on new and old masonry, for low thicknesses of up to 4 cm, for slabwork on façades, for the reinforcement of mortar joints and as bedding mortar in flush stonework. Easily worked with the techniques traditionally used in the application of lime plasters. **INTOCOCCIO** can be applied directly to vertical and horizontal surfaces consisting of solid brickwork, load-bearing hollow bricks, light hollow bricks, mixed bricks, rubble and tuff. For all those surfaces that are compact or not very absorbent, such as solid or hollow concrete blocks and expanded clay granules, cellular conglomerate blocks, lime or cement-based subbases, reinforced concrete or magnesium wood structures, the use of **INTOCOCCIO** must be preceded by the application of **SPRIZZO PONTE DI ADESIONE**.

3. Mortars and coloured plasters

Eco Biocompatible Plasters, pigmented with natural powders, pre-packaged in powder form for interior and exterior use.

- Intocolor
- Intocolor V
- Intocolor F

INTOCOLOR

A Biocompatible Eco Plaster, pigmented with natural powders, pre-packaged in powder form for interior and exterior use in accordance with UNI EN 998-1.

INTOCOLOR is totally free of cement and compounds belonging to the clinker group and consists of a mixture of pure limestone sands, screened with a continuous grain size range from 0 to 2.5 mm. The only binder present is Pure Natural Hydraulic Lime NHL in accordance with UNI EN 459-1. Lime NHL, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by extinguishing the calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.



-
- Dehumidifying
 - Ecological
 - Chromium-free
 - Restoration
 - Breathable
 - Resistant
 - Cement-free
 - Versatile
 - Recyclable
 - Healthy
 - Anticondensation
 - Anti-mould
 - Quick
 - Reversible
 - Easy
 - Resistant to pollution
 - Green building

Technical Data



PRODUCT TYPE:

General purpose mortar (GP) for interior and exterior use compliant with EN 998-1

GRAIN SIZE CURVE EN 1015-1:

0-2.5 mm

APPARENT BULK DENSITY IN A PILE:

Average 1400 kg/m³

CONSUMPTION:

14 kg/m² approx. for 1 cm thickness

APPLICABLE THICKNESS PER LAYER:

1-2 cm

PACKAGING:

25 kg bag

PALLET:

48 bags (1,200 kg)

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Indoor/outdoor application



Application with trowel



Mixing with H₂O
5-7 L



Application with plastic/steel float



Manual mixing



Work with plastic/steel/sponge float



Mechanical mixing



Drying time



Stator/rotor mechanical application



Protect from atmospheric events

Fields of application

INTOCOLOR is specific for the formation of dehumidifying coloured plasters on new and old masonry, for low thicknesses of up to 4 cm, for the reinforcement of mortar joints and as bedding mortar in flush stonework. Easily worked with the techniques traditionally used in the application of lime plasters. **INTOCOLOR** can be applied directly to vertical and horizontal surfaces consisting of solid brickwork, load-bearing hollow bricks, light hollow bricks, mixed bricks, stone and tuff. For all compact or poorly absorbent surfaces, such as solid or hollow concrete blocks and expanded clay granules, cellular conglomerate blocks, lime or cement-based subbases, reinforced concrete or magnesium wood structures, the use of **INTOCOLOR** must be preceded by the application of **SPRIZZO PONTE DI ADESIONE**.

INTOCOLOR V

A Biocompatible Eco Plaster, pigmented with natural powders, pre-packaged in powder form for interior and exterior use in accordance with UNI EN 998-1.

INTOCOLOR V is totally free of cement and compounds belonging to the clinker group and consists of a mixture of pure limestone, silica and red Verona sands, screened in a continuous grain size range from 0 to 2.5 mm. The only binder present is Pure Natural Hydraulic Lime NHL in accordance with UNI EN 459-1. Lime NHL, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by extinguishing the calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.



-
- Dehumidifying
 - Ecological
 - Chromium-free
 - Restoration
 - Breathable
 - Resistant
 - Cement-free
 - Versatile
 - Recyclable
 - Healthy
 - Anticondensation
 - Anti-mould
 - NHL 5
 - Quick
 - Reversible
 - Easy
 - Resistant to pollution
 - Green building

Technical Data



PRODUCT TYPE:

General purpose mortar (GP) for interior and exterior use compliant with EN 998-1

GRAIN SIZE CURVE EN 1015-1:

0-2.5 mm

APPARENT BULK DENSITY IN A PILE:

Average 1400 kg/m³

CONSUMPTION:

14 kg/m² approx. for 1 cm thickness

APPLICABLE THICKNESS PER LAYER:

1-2 cm

PACKAGING:

25 kg bag

PALLET:

48 bags (1,200 kg)

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Indoor/outdoor application



Application with trowel



Mixing with H₂O



Application with plastic/steel float



Manual mixing



Work with plastic/steel/sponge float



Mechanical mixing



Drying time



Stator/rotor mechanical application



Protect from atmospheric events

Fields of application

INTOCOLOR V is specifically designed for the formation of dehumidifying coloured plasters on new and old masonry, for low thicknesses of up to 4 cm, for smoothing mortar joints and as bedding mortar in flush stonework. Easily worked with the techniques traditionally used in the application of lime plasters. **INTOCOLOR V** can be applied directly to vertical and horizontal surfaces consisting of solid brickwork, load-bearing hollow bricks, light hollow bricks, mixed bricks, stone and tuff. For all compact or poorly absorbent surfaces, such as solid or hollow concrete blocks and expanded clay granules, cellular conglomerate blocks, lime or cement-based subbases, reinforced concrete or magnesium wood structures, the use of **INTOCOLOR V** must be preceded by the application of **SPRIZZO PONTE DI ADESIONE**.

INTOCOLOR F

A Biocompatible Eco Finishing Plaster, pigmented with natural earths, pre-packaged in powder form for interior and exterior use in accordance with UNI EN 998-1.

INTOCOLOR F is totally free of cement and compounds belonging to the clinker group and consists of a mixture of pure limestone sands, screened with a continuous grain size range from 0 to 1.2 mm. The only binder present is Pure Natural Hydraulic Lime NHL in accordance with UNI EN 459-1. Lime NHL, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by extinguishing the calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.



- Dehumidifying
- Ecological
- Chromium-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Recyclable
- Healthy
- Anticondensation
- Anti-mould
- Quick
- Reversible
- Easy
- Resistant to pollution
- Green building

Technical Data



PRODUCT TYPE:

General purpose mortar (GP) for interior and exterior use compliant with EN 998-1

APPLICABLE THICKNESS PER LAYER:

0.5 cm

GRAIN SIZE CURVE EN 1015-1:

0-1.2 mm

PACKAGING:

25 kg bag

APPARENT DENSITY OF FRESH MORTAR EN 1015-6:

Average 1810 kg/m³

PALLET:

48 bags (1,200 kg)

CONSUMPTION:

14 kg/m² approx

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Indoor/outdoor application



Application with trowel



Mixing with H₂O
5-7 L



Application with plastic/steel float



Manual mixing



Work with plastic/steel/sponge float



Mechanical mixing



Drying time



Stator/rotor mechanical application



Protect from atmospheric events

Fields of application

INTOCOLOR F is specifically designed for the formation of dehumidifying coloured finishing plasters on rustic plaster, for low thicknesses up to 1 cm, for smoothing out mortar joints. Easily worked with the techniques traditionally used in the application of lime finish plasters. **INTOCOLOR F** can be applied directly to vertical and horizontal surfaces consisting of rustic plaster on solid brickwork, load-bearing hollow bricks, light hollow bricks, mixed bricks, stone and tuff. For all compact or poorly absorbent surfaces, such as solid or hollow concrete blocks and expanded clay granules, cellular conglomerate blocks, lime or cement-based subbases, reinforced concrete or magnesium wood structures, the use of **INTOCOLOR F** must be preceded by the application of **SPRIZZO PONTE DI ADESIONE**.

4. Terre colorate

All-natural and suitable for pigmentation of plasters and mortars, for restoration and decoration in construction.

- Terre colorate

TERRE COLORATE

GROUNDING POWDERS suitable for pigmenting plasters and mortars. TERRE COLORATE are totally natural.



-
- Ecological
 - Slag-free
 - Restoration
 - Versatile
 - Quick
 - Lightweight
 - Easy
 - Resistant to pollution
 - Green building

Technical Data

PRODUCT TYPE:

Natural grounded powders for pigmentation of plasters and smoothing compounds

GRANULOMETRY (TERRE COLORATE):

0.1 to 0.8 μm

DENSITY:

4 to 5.2 g/ml

AVAILABLE COLOURS:

Red, Black, Yellow, Brown, Green, Blue, to sample

-

PACKAGING:

1 kg - 3 kg - 10 kg

PALLET:

-

STORAGE:

No expiry date in original packaging unopened in a dry place away from heat and frost.



Application



Application temperature



Application with trowel



Floor application indoor/outdoor



Application with plastic/steel float



Manual mixing



Application with brush



Mechanical mixing



Work with sponge float



Protect from atmospheric events

Fields of application

TERRE COLORATE can be used in combination with plasters and stabilisers from the line **PLASTERS e RASANTI TCS line**.

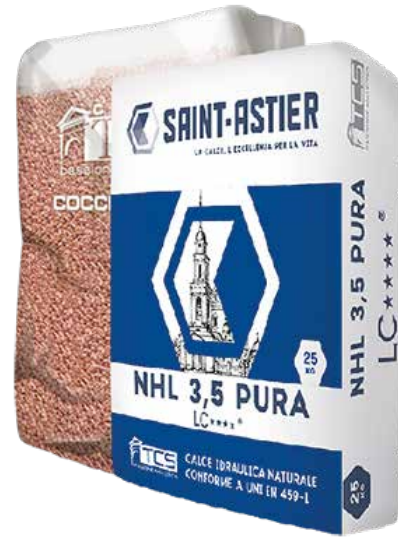
5. Granulates

Cocciopesto granulates in various grain sizes are suitable for plastering, grouting, subbases, in the world of restoration.

- Cocciopesto

COCCIOPESTO

A biocompatible mortar, to be manufactured on site, free of cement or compounds belonging to the clinker group, composed of **COCCIOPESTO GRANULATE** obtained by crushing fired clays at low temperature (solid bricks, roof tiles), with a continuous grain size curve from 0 to 4 mm, **COCCIOPESTO GRANULATE 0-4 TCS** and Pure Natural Hydraulic Lime NHL 3.5, in compliance with UNI EN 459-1, white in colour, produced by firing siliceous limestones at temperatures below 1,250° C and reduced to a powder by extinguishing the calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.



- Dehumidifying
- Ecological
- Chromium-free
- NHL 3.5
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Recyclable
- Healthy
- Antibacterial
- Anticondensation
- Quick
- Reversible
- Easy
- Resistant to pollution
- Green building

Technical Data



PRODUCT TYPE:

General purpose mortar (GP) for interior and exterior use in accordance with EN 998-1

GRAIN SIZE CURVE EN 1015-1:

0-4 mm

APPARENT DENSITY OF FRESH MORTAR EN 1015-6:

Average 1900 kg/m³

CONSUMPTION:

14 kg/m² approx. per 1 cm thickness (2.35kg NHL 3.5 lime + 11.75kg cocchiopesto granulate, equal to 1 bag of lime for 5 bags of cocchiopesto granulate)

APPLICABLE THICKNESS PER LAYER:

1-2 cm

PACKAGING:

25 kg bag

PALLET:

60 bags (1500 kg)

STORAGE:

18-24 months in original packaging in a dry place



Application

	Application temperature		Resting time
	Floor application indoor/outdoor		Application with trowel
	Mixing with H ₂ O depending on the ratio		Application with plastic/steel float
	Manual mixing		Thickness per coat depending on use
	Mechanical mixing		Drying time
	Peristaltic pump mechanical application		Protect from atmospheric events

Fields of application

COCCIOPESTO is specifically designed for the formation of dehumidifying plasters on new and old masonry, for low thicknesses of up to 4 cm, for smoothing out mortar joints and as bedding mortar in flush stonework or slabwork. Easily worked with the techniques traditionally used in the application of lime plasters. **COCCIOPESTO** can be applied directly to vertical and horizontal surfaces consisting of solid brickwork, load-bearing hollow bricks, light hollow bricks, mixed bricks, stone and tuff. For all those compact or poorly absorbent surfaces, such as solid or hollow concrete blocks and expanded clay granules, cellular conglomerate blocks, lime or cement-based subbases, reinforced concrete or magnesium wood structures, the use of **COCCIOPESTO** must be preceded by the application of **SPRIZZO PONTE DI ADESIONE**.

6. Consolidating treatments

TCS consolidating treatments are the ideal solution for all those consolidation operations, both superficial and deep. They give better resistance characteristics to the supports.

- TC Rinforzante
- TC 35

TC

RINFORZANTE

An acrylic emulsion, which performs a consolidating and regulating action of absorption. It is used to increase the strength and adhesion to the subbase of the materials in which it is used.



-
- Restoration
 - Resistant
 - Versatile
 - High adhesion
 - Quick
 - Easy
 - Consolidating agent
 - Resistant to pollution
 - Green building

Technical Data

PRODUCT TYPE:
Reinforcing acrylic

VOC CONTENT IN READY TO USE MATERIAL:
< 10 g/l

DENSITY:
Average 1,000 kg/m³

PERFORMANCE AS A REGULATOR OF ABSORPTION/CONSOLIDATION:
Diluted 1:1 with water approx. 30 m²/l

CONSUMPTION AS PASTE:
From 1% to 6% max

ACTIVE SUBSTANCE:
47%

PACKAGING:
5 l canister

STORAGE:
Up to 12 months in original packaging in a dry place



Application



Application temperature



Application with roller



Casing application indoor/outdoor



Application with brush



Mixing with H₂O
Max dilution 1:1



Application with airless



Shake before use



Drying time



Protect from atmospheric events

Fields of application

TC RINFORZANTE can be added to different types of mix to increase strength and adhesion to the subbase. It can be applied to all absorbent mineral and non-mineral surfaces and used as a consolidating agent against surface chalking or as an absorption regulator.

TC 35

It is a consolidating impregnating agent consisting of ethyl silicate. The low molecular weight and low viscosity optimise the penetration capacity of the consolidating agent, which acts by creating bonds with the mineral subbase, increasing its mechanical strength. The product is specific for brickwork, natural stone, plaster and any other mineral subbase provided it is absorbent.



-
- Restoration
 - Breathable
 - Resistant
 - Versatile
 - High adhesion
 - Quick
 - Easy
 - Consolidating agent
 - Resistant to pollution

Technical Data

PRODUCT TYPE:
Ethyl Silicate Consolidating Agent

DILUTION:
Ready to use or dilutable with white spirit

DENSITY:
Average 850 kg/m³

CONSUMPTION:
1-4 m²/l depending on the desired degree of protection

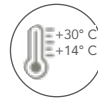
ACTIVE PART:
35%

PACKAGING:
5 l canister

STORAGE:
Up to 12 months in original packaging in a dry place



Application



Application temperature



Application with roller



Indoor/outdoor application



Application with brush



Ready to use



Application with airless



Shake before use



Drying time



Protect from atmospheric events

Fields of application

TC 35 is an ethyl silicate consolidant specifically designed for the treatment of mineral surfaces affected by decay or exhibiting crumbling phenomena.

7. Waterproof protections

The low viscosity and small size of the elementary particles in suspension give the subbase a high impregnation capacity. This action provides protection from water, weathering and chemical aggression without altering colour, while preserving breathability.

- TI 10
- TI 10 Plus

TI 10

It is a non-film-forming, low molecular weight siloxane waterproofing protective agent. Specific protective coating for brickwork, natural stone, plaster and any other mineral subbase provided it is absorbent.



-
- Restoration
 - Breathable
 - Resistant
 - Versatile
 - Healthy
 - Antibacterial
 - Anti-mould
 - High adhesion
 - Quick
 - Lightweight
 - Easy
 - Waterproofing
 - Resistant to pollution
 - Green building

Technical Data

PRODUCT TYPE:
Siloxane Water-Repellent Protective Coating

DILUTION:
Ready to use

DENSITY:
Average 800 kg/m³

CONSUMPTION:
0.5-2 l/m² depending on the desired degree of protection

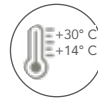
DRY RESIDUE:
8%

PACKAGING:
5 l canister

STORAGE:
12 months in original packaging in a dry place

Untreated support

Application



Application temperature



Application with roller



Indoor/outdoor application



Application with brush



Ready to use



Application with airless



Shake before use



Drying time



Protect from atmospheric events

Treated support

Fields of application

The use of **TI 10** siloxane water-repellent protector is indicated on all surfaces exposed to atmospheric agents and pollutants in order to ensure high protection and reduce maintenance of surfaces over time.

TI 10 PLUS

It is a low molecular weight, non-film-forming siloxane waterproof protective agent. Specific protective coating for brickwork, natural stone, plaster and any other mineral subbase provided it is absorbent.



-
- Restoration
 - Breathable
 - Resistant
 - Versatile
 - Healthy
 - Antibacterial
 - Anti-mould
 - High adhesion
 - Quick
 - Lightweight
 - Easy
 - Waterproofing
 - Resistant to pollution
 - Green building

Technical Data

PRODUCT TYPE:
Siloxane Hydrophobic Protective Coating

DILUTION:
Ready to use

DENSITY:
Average 800 kg/m³

CONSUMPTION:
0.5-2 l/m² depending on the desired degree of protection

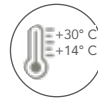
DRY RESIDUE:
10%

PACKAGING:
5 l canister

STORAGE:
12 months in original packaging in a dry place

Untreated support

Application



Application temperature



Application with roller



Indoor/outdoor application



Application with brush



Ready to use



Application with airless



Shake before use



Drying time



Protect from atmospheric events

Fields of application

The use of **TI 10 PLUS** siloxane waterproof protector is recommended on particularly exposed surfaces to ensure adequate protection and easy maintenance of surfaces over time.

Treated support



Construction

WE TURN PROJECTS INTO REALITY

Innovation is the engine of our success.

Customer satisfaction is our priority.

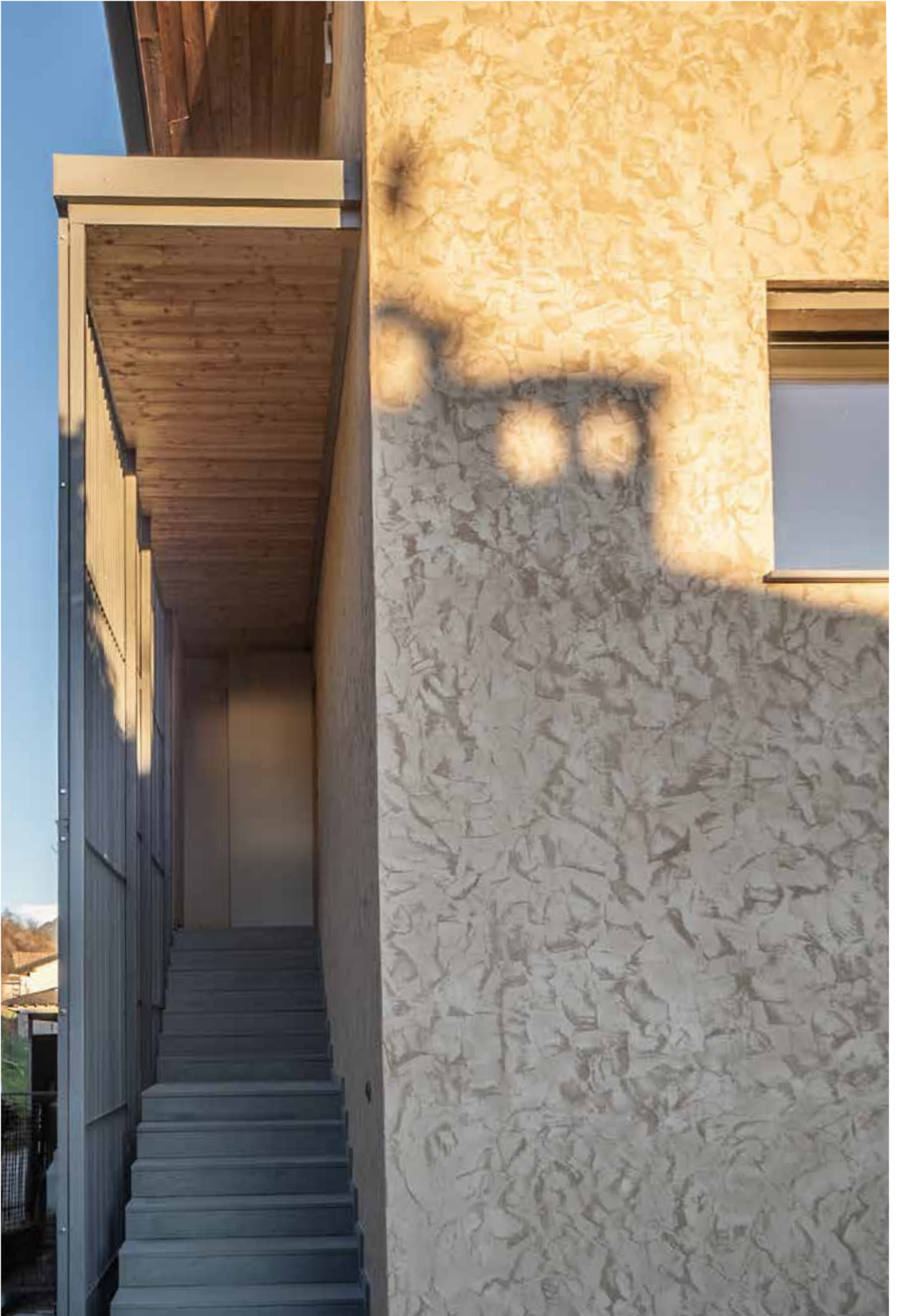
Sustainability is a cornerstone of our corporate philosophy.

For 35 years, TCS has been providing materials that surpass the expectations of its customers, ensuring superior performance and exceptional durability, all while prioritising environmental sustainability.

The absence of additives and chemicals, in fact, aims to promote more responsible building towards the environment and our future.

With our team of specialists and internal production facility, we continually embark on research and development endeavours to create cutting-edge, high-performance products.





Construction

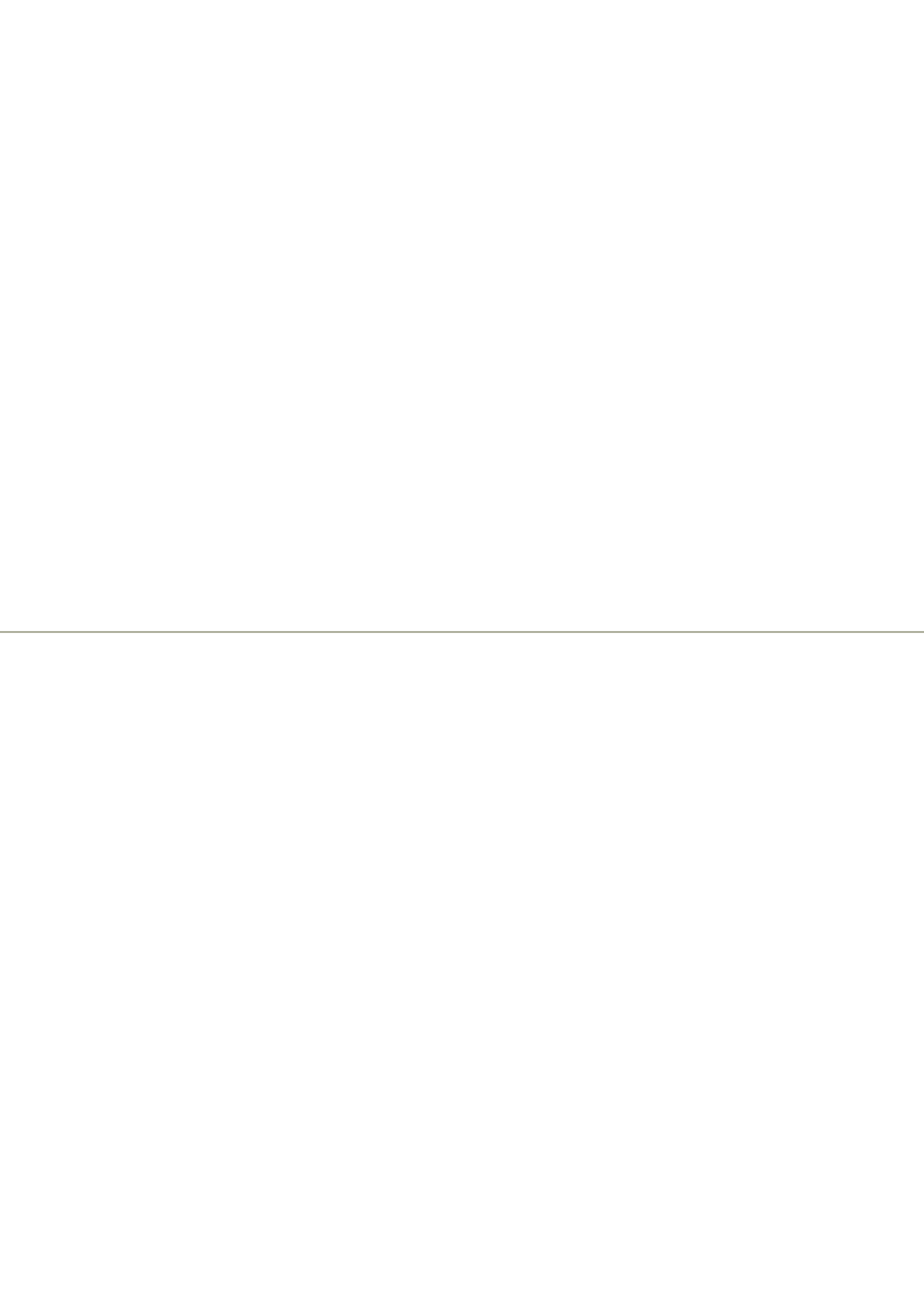
1. Adhesion promoters
 2. New built
 3. Thermal insulation
 4. Renewal and Dehumidification
 5. Smoothing adhesive
 6. Subbases and screeds
 7. Lime and hemp
 8. Waterproofing
 9. Mesh
 10. Panel thermal insulation
-



Quality.
Experience.
Professionalism.

Our commitment for
35 years.





1. Adhesion promoters

These products improve adhesion on low-absorbent surfaces and ensure a better hold over time.

- Sprizzo ponte di adesione
- TC Aggrappante

SPRIZZO PONTE DI ADESIONE

It is a biocompatible, pre-packaged, powdered rendering mortar for interior and exterior use that complies with UNI EN 998-1.

SPRIZZO PONTE DI ADESIONE is totally free of cement and compounds belonging to the clinker group and consists of a mixture of pure, screened limestone sands with a continuous grain size range of 0 to 2.5 mm and superior compounds that improve the adhesion properties to the subbase. The only mineral binder present is Pure Natural Hydraulic Lime NHL 5 in accordance with UNI EN 459-1. Lime NHL 5, which is white in colour, is produced by firing siliceous limestones at temperatures below 1250° C and reduced to a powder by extinguishing the calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.



- Dehumidifying
- Ecological
- Slag-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Recyclable
- Consolidating agent
- Ash-free
- Healthy
- Antibacterial
- NHL 5
- High adhesion
- Quick
- Reversible
- Easy
- Green building agent

Technical Data



PRODUCT TYPE:

General purpose mortar (GP) for interior and exterior use in accordance with EN 998-1

GRAIN SIZE CURVE EN 1015-1:

0-2.5 mm

APPARENT BULK DENSITY IN A PILE:

Average 1312 kg/m³

CONSUMPTION:

1.4 kg/m²/mm thickness
(min. thickness 4 mm)

ADHESION EN 1015-12:

0.35 N/mm² FP-B

PACKAGING:

25 kg bag

PALLET:

48 bags (1,200 kg)

STORAGE:

18-24 months in original packaging
in a dry place



Application



Application temperature



Resting time



Indoor/outdoor application



Application with trowel



Mixing with H₂O
6-8 L



Application with plastic/steel float



Manual mixing



Thickness per coat
0.5 cm max



Mechanical mixing



Drying time
1 DAY
+20°C



Stator/rotor mechanical application



Protect from atmospheric events

Fields of application

SPRIZZO PONTE DI ADESIONE is specifically designed for the formation of renders to create an excellent connection between the subbase and the actual body of the plaster. **SPRIZZO PONTE DI ADESIONE** must be applied to all compact or poorly absorbent surfaces (solid or hollow concrete blocks and expanded clay granules, cellular conglomerate blocks, lime or cement-based subbases, reinforced concrete or magnesium wood structures).

TC

AGGRAPPANTE

It is a paste composed of emulsion vinyl copolymers and carbonate aggregates in a continuous grain size curve from 0 to 2 mm. Specifically designed for obtaining rough surfaces suitable for receiving the next layer of plaster or smoothing compound.



-
- Radon-free
 - Restoration
 - Resistant
 - Cement-free
 - Versatile
 - High adhesion
 - Quick
 - Lightweight
 - Reversible
 - Easy
 - Green building
 - Consolidating agent

Technical Data

PRODUCT TYPE:
Adhesion Promoter

GRAIN SIZE CURVE EN 1015-1:
0-2 mm

APPARENT DENSITY OF FRESH MORTAR EN 1015-6:
Average 1420 kg/m³

CONSUMPTION:
0.2 kg/m² approx

ADHESION EN 1015-12:
> 0.5 N/mm²

PACKAGING:
5 kg bucket

PALLET:
-

STORAGE:
Up to 12 months in original packaging in a dry place

Untreated support

Application



Application temperature



Application with brush



Indoor/outdoor application



Application with roller



Mixing with H₂O per package



Drying time



Manual mixing

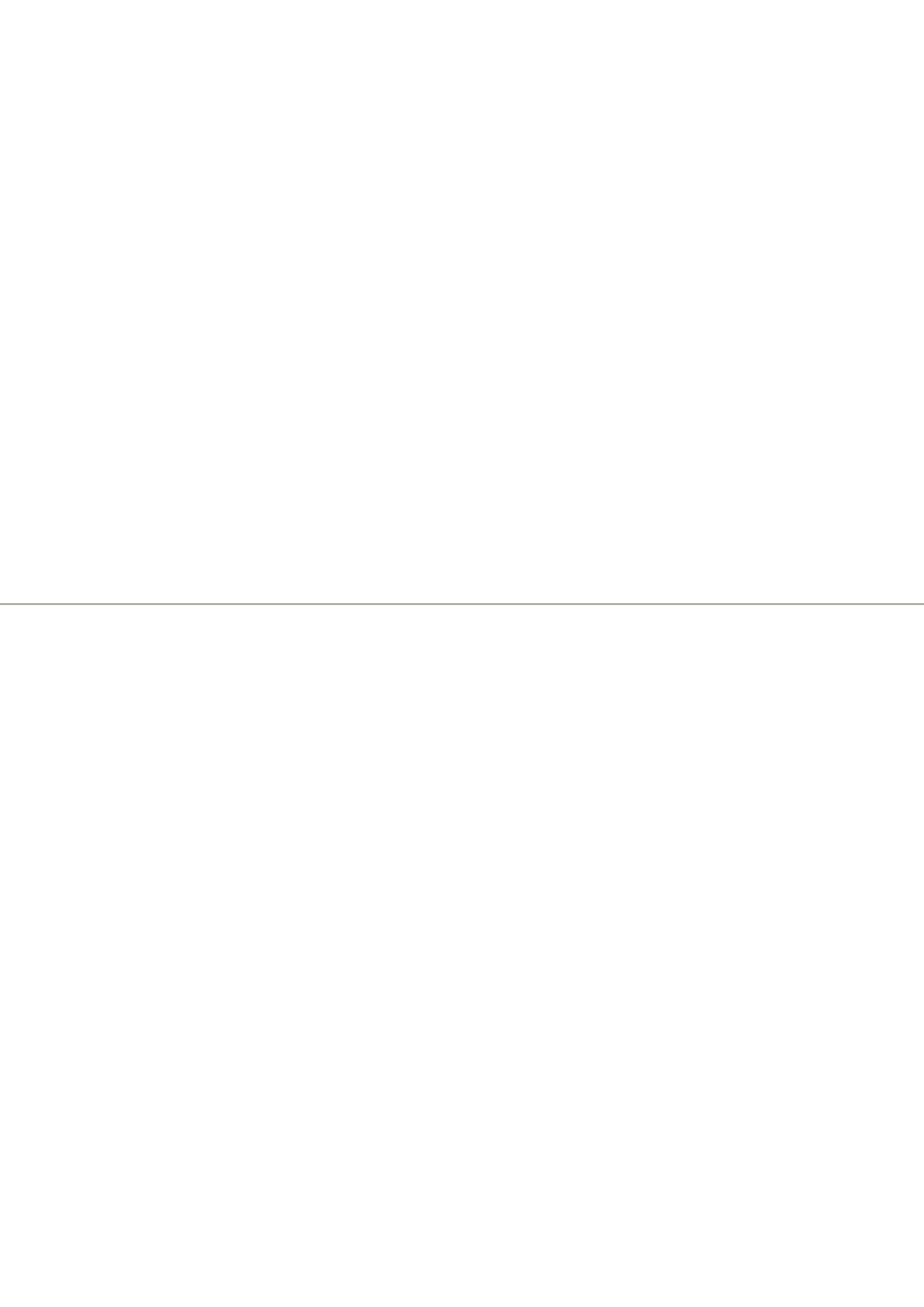


Protect from atmospheric events

Treated support

Fields of application

TC AGGRAPPANTE Adhesion Promoter is specifically designed for the formation of rough surfaces to create a connection between the subbase and materials to be laid later. It should be applied to all compact or poorly absorbent surfaces (solid or hollow concrete blocks and expanded clay granules, cellular conglomerate blocks, lime or cement-based subbases, reinforced concrete structures, magnesium wood).



2. New built

TCS is committed to the dissemination of good construction practices in both restoration and green building; promoting improved living comfort and environmental sustainability.

- ECO-CAL
- BIO 130

ECO-CAL

It is a Biocompatible Eco Plaster, pre-packaged in powder form for interior and exterior use in accordance with UNI EN 998-1.

ECO-CAL is totally free of cement and clinker compounds. It consists of a mixture of pure silicate-limestone sands screened with a continuous grain size range from 0 to 1.4 mm. The only binder present is Pure Natural Hydraulic Lime NHL 5 in accordance with UNI EN 459-1. Lime NHL 5, which is white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to a powder by extinguishing the calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.



- Dehumidifying
- Ecological
- Radon-free
- Resistant
- Cement-free
- Versatile
- Recyclable
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- NHL 5
- Quick
- Reversible
- Easy
- Resistant to pollution
- Green building

Technical Data



PRODUCT TYPE:

General purpose mortar (GP) for interior and exterior use in accordance with EN 998-1

GRAIN SIZE CURVE EN 1015-1:

0-1.4 mm

APPARENT BULK DENSITY IN A PILE:

Average 1312 kg/m³

CONSUMPTION:

14 kg/m² approx. per 1 cm thickness

APPLICABLE THICKNESS PER LAYER:

1 cm

PACKAGING:

25 kg bag

PALLET:

48 bags (1,200 kg)

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Indoor/outdoor application



Application with trowel



Mixing with H₂O
5-6 L



Application with plastic/steel float



Manual mixing



Thickness per coat



Mechanical mixing



Drying time



Stator/rotor mechanical application



Protect from atmospheric events

Fields of application

ECO-CAL is specifically designed for plastering in the new-build sector where, as a rule, thicknesses are constant and limited. It is therefore recommended for an application of no more than approx. 2.5 cm directly on vertical and horizontal surfaces consisting of solid brick, load-bearing hollow bricks, light hollow bricks, mixed bricks, stone and tuff. For all those surfaces that are compact or not very absorbent, such as solid or hollow concrete blocks and expanded clay granules, cellular conglomerate blocks, lime or cement-based subbases, reinforced concrete or magnesium wood structures, the use of **ECO-CAL** must be preceded by the application of **SPRIZZO PONTE DI ADESIONE**.

BIO 130

It is a Biocompatible Eco Plaster, pre-packaged in powder form for interior and exterior use in accordance with UNI EN 998-1.

BIO 130 is totally free of cement and compounds belonging to the clinker group. It consists of a mixture of pure limestone sands, screened with a continuous grain size range from 0 to 1.6 mm. The only binder included is Pure Natural Hydraulic Lime NHL 5 in accordance with UNI EN 459-1. NHL 5 lime, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by the extinguishing of calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.



- Dehumidifying
- Ecological
- Chromium-free
- Radon-free
- Breathable
- Resistant
- Cement-free
- Versatile
- Recyclable
- Healthy
- Antibacterial
- Anticondensation
- NHL 5
- Quick
- Reversible
- Easy
- Resistant to pollution
- Green building

Technical Data



PRODUCT TYPE:

General purpose mortar (GP) for interior and exterior use compliant with EN 998-1 standards

GRAIN SIZE CURVE EN 1015-1:

0-1.6 mm

APPARENT BULK DENSITY IN A PILE:

Average 1310 kg/m³

CONSUMPTION:

14 kg/m² approx. per 1 cm thickness

APPLICABLE THICKNESS PER LAYER:

1 cm

PACKAGING:

25 kg bag

PALLET:

48 bags (1,200 kg)

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Indoor/outdoor application



Application with trowel



Mixing with H₂O



Application with plastic/steel float



Manual mixing



Thickness per coat



Mechanical mixing



Drying time



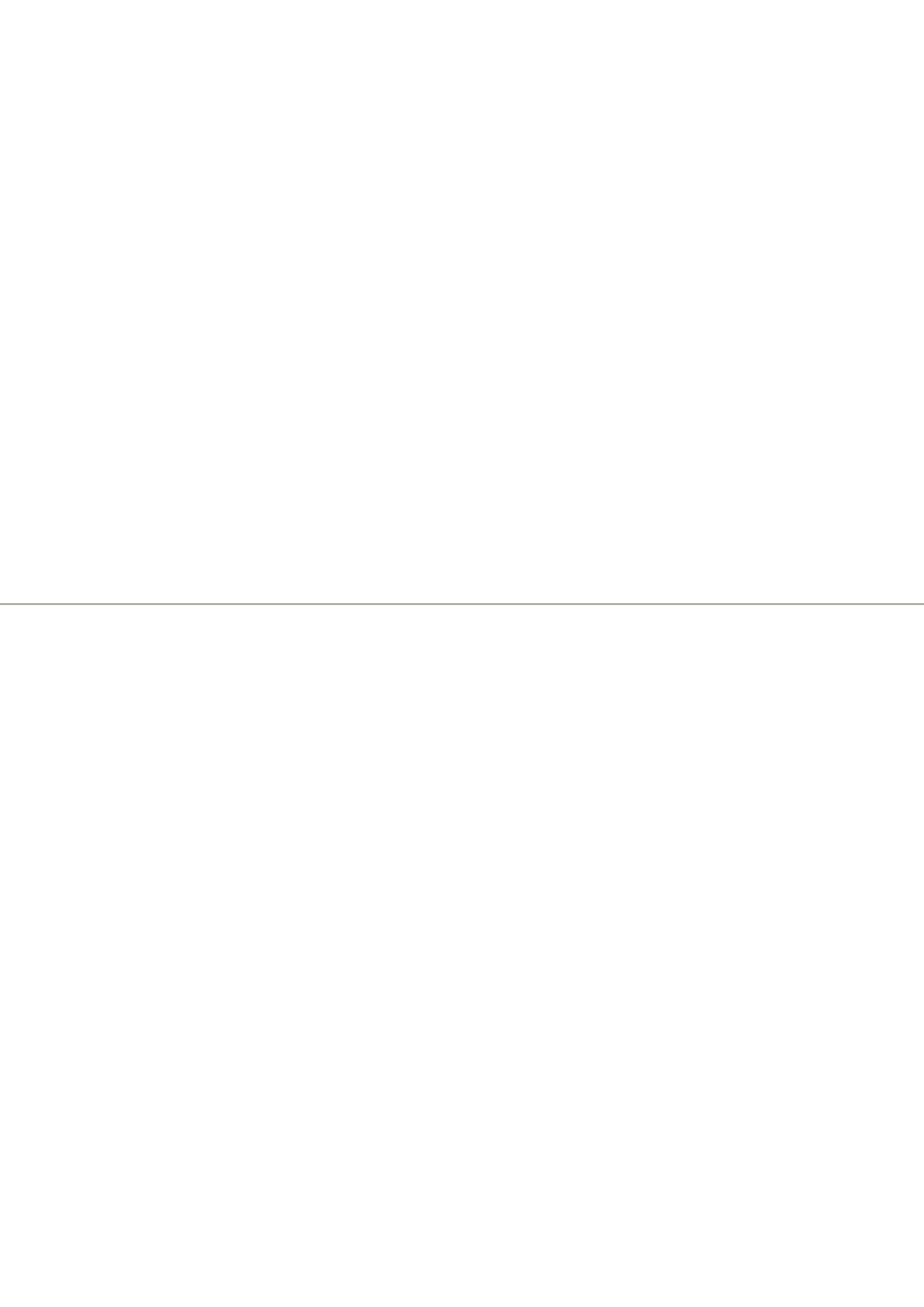
Stator/rotor mechanical application



Protect from atmospheric events

Fields of application

BIO 130 is specifically designed for plastering in the new-build sector where, as a rule, thicknesses are constant and limited. It is therefore recommended for an application of no more than approx. 2.5 cm directly on vertical and horizontal surfaces consisting of solid brick, load-bearing hollow bricks, light hollow bricks, mixed bricks, stone and tuff. For all compact or poorly absorbent surfaces, such as solid or hollow concrete blocks and expanded clay granules, cellular conglomerate blocks, lime or cement-based subbases, reinforced concrete or magnesium wood structures, the use of **BIO 130** must be preceded by the application of **SPRIZZO PONTE DI ADESIONE**.



3. Thermal insulation

TCS offers a wide range of insulation products in line with the most widespread and recognised construction practices, for energy-efficient and low-consumption buildings.

- CLIMATHERM
- CLIMATHERM M

CLIMATHERM

It is a Biocompatible, Insulating, Dehumidifying Pre-packaged Eco Plaster in powder form for interior and exterior use, compliant with UNI EN 998-1.

CLIMATHERM is totally free of cement or compounds belonging to the clinker group. IT consists of a mixture of pure expanded mineral sands of low specific weight, screened with a continuous grain size range from 0 to 4 mm. The only binder included is Pure Natural Hydraulic Lime NHL 5 in accordance with UNI EN 459-1. NHL 5 lime, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by the extinguishing of calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.



- Dehumidifying
- Ecological
- Chromium-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Recyclable
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- NHL 5
- Quick
- Lightweight
- Easy
- Green building

Technical Data



PRODUCT TYPE:

Thermal insulation mortar (T) for interior and exterior use in accordance with EN 998-1

GRAIN SIZE CURVE EN 1015-1:

0-4 mm

APPARENT BULK DENSITY IN A PILE:

Average 348 kg/m³

CONSUMPTION:

4 kg/m²/cm thickness

APPLICABLE THICKNESS PER LAYER:

3-4 cm

PACKAGING:

17 kg bag

PALLET:

48 bags (816 kg)

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Indoor/outdoor application



Application with trowel



Mixing with H₂O



Application with plastic/steel float



Manual mixing



Total thickness



Mechanical mixing



Drying time



Stator/rotor mechanical application



Protect from atmospheric events

Fields of application

CLIMATHERM is specifically designed for the formation of insulating and dehumidifying plasters on new and old masonry, for low and high thicknesses from 2 to over 15 cm. Easily worked with the techniques traditionally used in the application of lime plasters. **CLIMATHERM** can be applied directly to vertical and horizontal surfaces made of solid brickwork, load-bearing hollow bricks, light hollow bricks, mixed bricks, stone and tuff. For all those compact or low-absorbent surfaces, such as solid or hollow blocks of cement conglomerate and expanded clay granules, cellular conglomerate blocks, lime or cement-based supports, structures in reinforced concrete or magnesiatic wood, the use of **CLIMATHERM** must be preceded by the application of **SPRIZZO PONTE DI ADESIONE**.

CLIMATHERM M

It is a Biocompatible, Insulating, Dehumidifying Pre-packaged Eco Plaster in powder form for interior and exterior use, compliant with UNI EN 998-1.

CLIMATHERM M is totally free of cement or compounds belonging to the clinker group. It consists of a mixture of pure expanded mineral sands of low specific weight, screened with a continuous grain size range from 0 to 4 mm. The only binder included is Pure Natural Hydraulic Lime NHL 5 in accordance with UNI EN 459-1. NHL 5 lime, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by the extinguishing of calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.



- Dehumidifying
- Ecological
- Chromium-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Recyclable
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- NHL 5
- Quick
- Lightweight
- Easy
- Green building

Technical Data



PRODUCT TYPE:

Thermal insulation mortar (T) for interior and exterior use in accordance with EN 998-1

APPLICABLE THICKNESS PER LAYER:

3-4 cm

GRAIN SIZE CURVE EN 1015-1:

0-4 mm

PACKAGING:

17 kg bag

APPARENT BULK DENSITY IN A PILE:

Average 348 kg/m³

PALLET:

48 bags (816 kg)

CONSUMPTION:

4 kg/m²/cm thickness

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Indoor/outdoor application



Application with trowel



Mixing with H₂O



Application with plastic/steel float



Manual mixing



Total thickness



Mechanical mixing



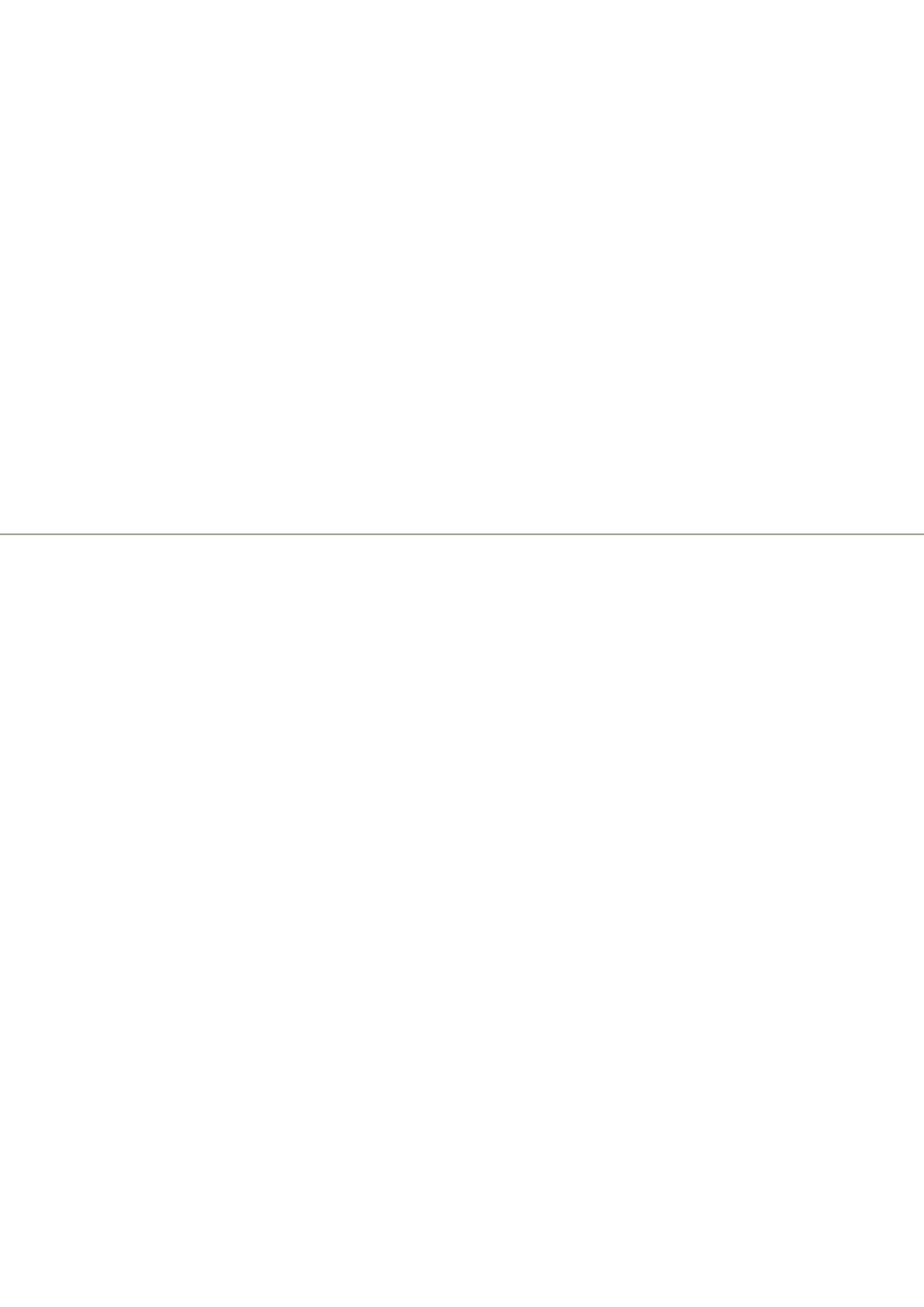
Drying time



Protect from atmospheric events

Fields of application

CLIMATHERM M is specifically designed for the formation of insulating and dehumidifying plasters on new and old masonry, for low and high thicknesses from 2 to over 15 cm. Easily worked with the techniques traditionally used in the application of lime plasters. **CLIMATHERM M** can be applied directly to vertical and horizontal surfaces made of solid brickwork, load-bearing hollow bricks, light hollow bricks, mixed bricks, stone and tuff. For all compact or poorly absorbent surfaces, such as solid or hollow concrete blocks and expanded clay granules, cellular conglomerate blocks, lime or cement-based, reinforced concrete or magnesium wood structures, the use of **CLIMATHERM M** must be preceded by the application of **SPRIZZO PONTE DI ADESIONE**.



4. Renewal and dehumidification

TCS offers a wide range of insulation products in line with the most widespread and recognised construction practices, for energy-efficient and low-consumption buildings.

- SPRIZZO ANTISALE
- INTOPORE
- INTOPORE AR
- IDROGEL

SPRIZZO ANTISALE

It is a biocompatible, pre-packaged, powdered rendering mortar for interior and exterior use that complies with UNI EN 998-1.

SPRIZZO ANTISALE is totally free of cement and compounds belonging to the clinker group and consists of a mixture of pure, screened limestone sands with a continuous grain size range of 0 to 2.5 mm and natural mastics regulating the final porosity. The only binder included is Pure Natural Hydraulic Lime NHL 5 in accordance with UNI EN 459-1. NHL 5 lime, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by the extinguishing of calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.



- Dehumidifying
- Chromium-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Recyclable
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- NHL 5
- High adhesion
- Quick
- Reversible
- Easy
- Antisalt

Technical Data



PRODUCT TYPE:

Renewal mortar (R) for indoor and outdoor use in accordance with EN 998-1

APPLICABLE THICKNESS PER LAYER:

1 cm

GRAIN SIZE CURVE EN 1015-1:

0-2.5 mm

PACKAGING:

25 kg bag

APPARENT BULK DENSITY IN A PILE:

Average 1390 kg/m³

PALLET:

48 bags (1,200 kg)

CONSUMPTION:

15 kg/m² approx. per 1 cm thickness

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Indoor/outdoor application



Application with trowel



Mixing with H₂O
6-7 L



Total thickness
1 cm min



Manual mixing



Drying time
5 days +20°C



Mechanical mixing



Protect from atmospheric events



Stator/rotor mechanical application

Fields of application

SPRIZZO ANTISALE is specifically designed for the formation of renders to even out and regularise the absorbency of the surface on which the actual body of the plaster will be applied. **SPRIZZO ANTISALE** should be applied to all surfaces affected by rising damp and used in the Dehumidification System for masonry using INTOSTORICO or INTOPORE. **SPRIZZO ANTISALE** can also be used on masonry affected by the presence of soot as a soot-blocking treatment.

SPRIZZO CONTROSPINTA



SPRIZZO CONTROSPINTA is a biocompatible, pre-packaged, powdered rendering mortar for interior and exterior use that complies with UNI EN 998-1. SPRIZZO CONTROSPINTA is totally free of cement and compounds belonging to the clinker group and consists of a mixture of pure limestone sands, screened with a continuous grain size range of 0 to 2.5 mm and natural mastics regulating the final porosity. The only binder present is Pure Natural Hydraulic Lime NHL 5 in accordance with UNI EN 459-1. Lime NHL 5, which is white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to a powder by extinguishing the calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.

- Dehumidifying
- Ecological
- Chromium-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Recyclable
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- NHL 5
- High adhesion
- Quick
- Lightweight
- Easy

Technical Data



PRODUCT TYPE:

General purpose mortar (GP) for interior and exterior use in accordance with EN 998-1

APPLICABLE THICKNESS PER LAYER:

1 cm

GRAIN SIZE CURVE EN 1015-1:

0-3 mm

PACKAGING:

25 kg bag

APPARENT BULK DENSITY IN A PILE:

Average 1,300 kg/m³

PALLET:

48 bags (1,200 kg)

CONSUMPTION:

14 kg/m²

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Indoor/outdoor application



Application with trowel



Mixing with H₂O
6-7 L



Total thickness
1 cm



Manual mixing



Drying time
5 days
+20°C



Mechanical mixing



Protect from atmospheric events



Stator/rotor mechanical application

Fields of application

SPRIZZO CONTROSPINTA is specifically designed for the formation of renders to even out and regularise the absorbency of the surface on which the actual body of the plaster will be applied. **SPRIZZO CONTROSPINTA** must be applied to all surfaces affected by rising damp and used in the masonry Dehumidification System with the use of **INTOSTORICO** or **INTOPORE**.

SPRIZZO CONTROSPINTA can also be used on masonry affected by the presence of soot as a soot-blocking treatment against negative water pressure or lateral water table pressure.

INTOPORE

It is a Biocompatible Eco Plaster, light dehumidifier, pre-packaged powdered plaster for interior and exterior use, compliant with UNI EN 998-1.

INTOPORE is totally free of cement or compounds belonging to the clinker group. It consists of a mixture of pure expanded mineral sands of low specific weight, screened with a continuous grain size range from 0 to 5 mm. The only binder present is Pure Natural Hydraulic Lime NHL in accordance with UNI EN 459-1. NHL lime, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to a powder by extinguishing the calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.



- Dehumidifying
- Ecological
- Chromium-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Recyclable
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- NHL
- Quick
- Lightweight
- Reversible
- Easy

Technical Data



PRODUCT TYPE:

Renovation and thermal insulation mortar (R-T2) for interior and exterior use in accordance with EN 998-1

APPLICABLE THICKNESS PER LAYER:

2-3 cm

GRAIN SIZE CURVE EN 1015-1:

0-5 mm

PACKAGING:

25 kg bag

APPARENT BULK DENSITY IN A PILE:

Average 530 kg/m³

PALLET:

48 bags (1,200 kg)

CONSUMPTION:

6 kg/m²/cm thickness

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Indoor/outdoor application



Application with trowel



Mixing with H₂O



Application with plastic/steel float



Manual mixing



Thickness per coat



Mechanical mixing



Drying time



Stator/rotor mechanical application



Protect from atmospheric events

Fields of application

INTOPORE is specifically designed for the formation of dehumidifying plasters on new and old masonry, for low and high thicknesses from 2 to over 12 cm. Easily worked with the techniques traditionally used in the application of lime plasters. **INTOPORE** can be applied directly to vertical and horizontal surfaces consisting of solid brickwork, load-bearing hollow bricks, light hollow bricks, mixed bricks, stone and tuff. For all compact or poorly absorbent surfaces, such as solid or hollow concrete blocks and expanded clay granules, cellular conglomerate blocks, lime or cement-based subbases, reinforced concrete or magnesium wood structures, the use of **INTOPORE** must be preceded by the application of **SPRIZZO PONTE DI ADESIONE**.

INTOPORE AR

It is a Biocompatible Eco Plaster, High Strength Lightweight Dehumidifying Plaster, pre-packaged in powder form for interior and exterior use, compliant with UNI EN 998-1.

INTOPORE AR is totally free of cement or compounds belonging to the clinker group. It consists of a mixture of pure expanded mineral sands of low specific weight, screened with a continuous grain size range from 0 to 5 mm. The only binder included is Pure Natural Hydraulic Lime NHL 5 in accordance with UNI EN 459-1. NHL 5 lime, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by the extinguishing of calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.



- Dehumidifying
- Ecological
- Chromium-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Recyclable
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- NHL 5
- Quick
- Lightweight
- Reversible
- Easy

Technical Data



PRODUCT TYPE:

Renewal mortar (R) for indoor and outdoor use in accordance with EN 998-1

GRAIN SIZE CURVE EN 1015-1:

0-5 mm

APPARENT BULK DENSITY IN A PILE:

Average 664 kg/m³

CONSUMPTION:

7 kg/m² approx. per 1 cm thickness

APPLICABLE THICKNESS PER LAYER:

2-3 cm

PACKAGING:

25 kg bag

PALLET:

48 bags (1,200 kg)

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Indoor/outdoor application



Application with trowel



Mixing with H₂O



Application with plastic/steel float



Manual mixing



Thickness per coat



Mechanical mixing



Drying time



Stator/rotor mechanical application



Protect from atmospheric events

Fields of application

INTOPORE AR is specifically designed for the formation of dehumidifying plasters on new and old masonry, for low and high thicknesses from 2 to over 12 cm. Easily worked with the techniques traditionally used in the application of lime plasters. **INTOPORE AR** can be applied directly to vertical and horizontal surfaces consisting of solid brickwork, load-bearing hollow bricks, light hollow bricks, mixed bricks, stone and tuff. For all compact or poorly absorbent surfaces, such as solid or hollow concrete blocks and expanded clay granules, cellular conglomerate blocks, lime or cement-based subbases, reinforced concrete or magnesium wood structures, the use of **INTOPORE AR** must be preceded by the application of **SPRIZZO PONTE DI ADESIONE**.

IDROGEL

It is a Hydrophobising Silane Gel consisting of a single-component, environmentally friendly, water-based, solvent-free gel composed of Silane monomer, easy to apply, for the restoration of walls affected by capillary rising and the presence of salts in solution, leaving their breathability unaltered.



-
- Dehumidifying
 - Restoration
 - Resistant
 - Versatile
 - Antibacterial
 - Anti-mould
 - High adhesion
 - Quick
 - Lightweight
 - Waterproofing
 - Easy
 - Pollution-resistant

Technical Data

PRODUCT TYPE:
Hydrophobising Silane Gel

ACTIVE PART
41%

ACTUAL DENSITY:
1,000 kg/m³

INDICATIVE CONSUMPTION:
310-2,100 g/m
(depending on type and thickness of masonry)

FILLING THE HOLE:
In one coat depending on depth

PACKAGING:
5 kg or 17 kg bucket, 310 ml cartridge

PALLET:
-

STORAGE:
Up to 12 months in original packaging
in a dry place



Application



Application temperature



Application with injection gun



Indoor/outdoor application



Mechanical application with peristaltic pump



Ready to use



Drying time



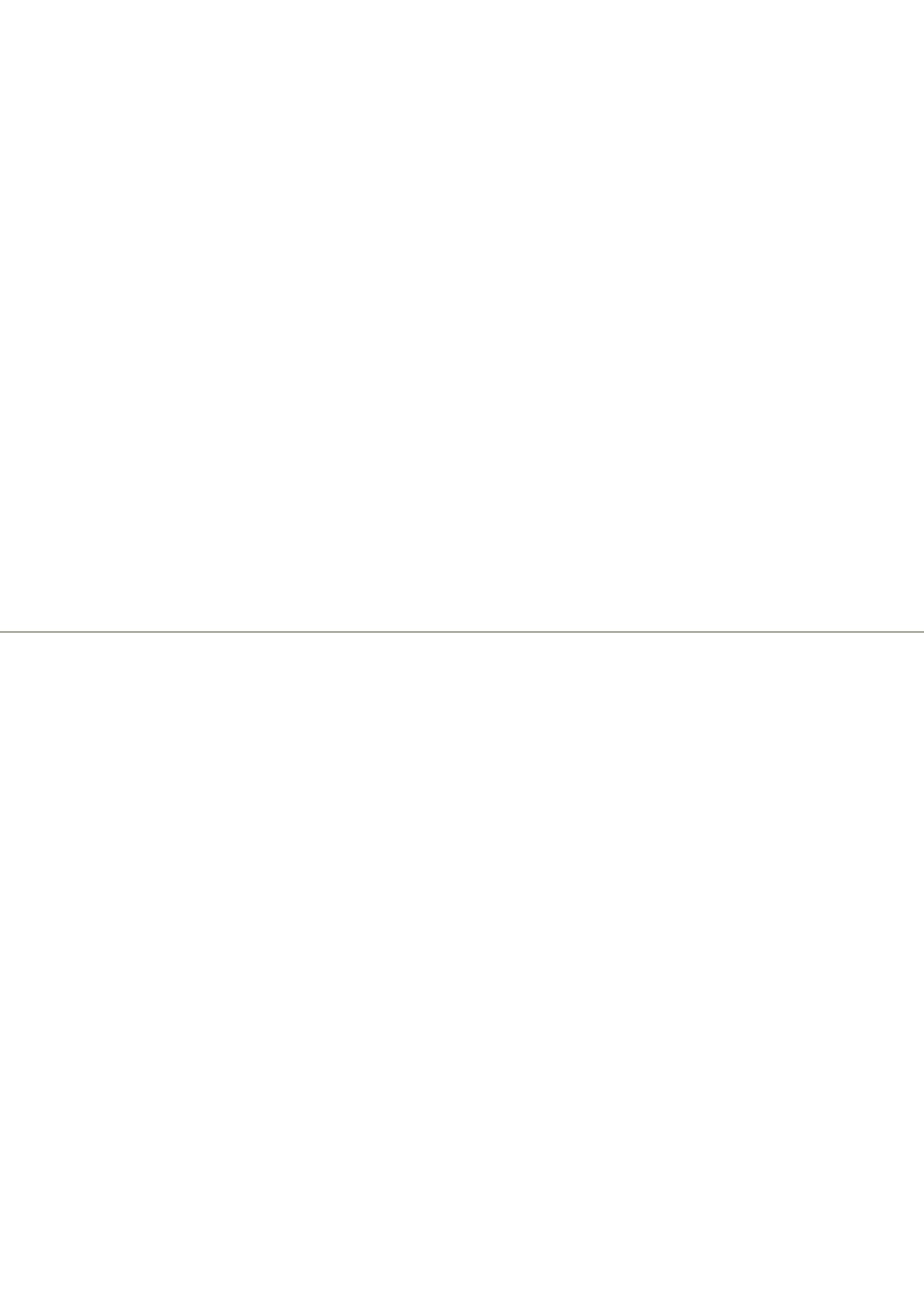
Manual mixing



Protect from atmospheric events

Fields of application

IDROGEL Silane Gel used as a hydrophobising agent for masonry affected by capillary rising and with the presence of salts, is applied directly into horizontal holes drilled in masonry consisting of reinforced concrete structures, solid concrete blocks and expanded clay granulates, solid bricks, exposed façades, historical mixed masonry consisting of stone and brick, with a simple tube silicone gun. Its high thixotropy makes it suitable for all types of injection, it does not drip or disperse in masonry cavities.



5. Smoothing adhesive

The use of ADE RAS in the bonding or in the reinforced smoothing of the natural coat cycle guarantees the total breathability of the subbase, preventing surface bacterial proliferation.

- ADE RAS

ADE-RAS

It is a pre-packaged biocompatible smoothing adhesive in powder form for interior and exterior use that complies with UNI EN 998-1.

ADE RAS is totally free of cement and compounds belonging to the clinker group. It consists of a mixture of pure silica-calcareous sands, screened in a continuous grain size range from 0 to 0.6 mm. The only binder included is Pure Natural Hydraulic Lime NHL 5 in accordance with UNI EN 459-1. NHL 5 lime, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by the extinguishing of calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind. Natural additives give the product excellent spreadability, crackability and adhesion to the subbase.



- Dehumidifying
- Ecological
- Chromium-free
- Radon-free
- Restoration
- Breathable
- Resistant
- Versatile
- Recyclable
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- NHL 5
- High adhesion
- Quick
- Reversible
- Easy

Technical Data



PRODUCT TYPE:

Smoothing adhesive according to EAD 040083-00-0404

GRAIN SIZE CURVE EN 1015-1:

0-0.6 mm

APPARENT BULK DENSITY IN A PILE (MAXIMUM COMPACTION):

Average 1750 kg/m³

CONSUMPTION:

1.4 kg/m² approx. per 1 mm thickness

APPLICABLE THICKNESS PER LAYER:

1-3 cm for gluing

1-1.5 cm as reinforced smoothing

PACKAGING:

25 kg bag

PALLET:

48 bags (1,200 kg)

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Indoor/outdoor application



Application with trowel



Mixing with H₂O



Application with plastic/steel float



Manual mixing



Work with plastic/steel/sponge float



Mechanical mixing



Drying time



Stator/rotor mechanical application



Protect from atmospheric events

Fields of application

ADE RAS is specifically designed as an adhesive and smoothing agent in coating systems with natural and synthetic panels. It can also be used for the formation of standard or smoothed skim coats, simple or reinforced with glass fibre mesh TCS GLASS CK 155 in the field of new construction and renovation of existing heritage. It can be applied to vertical and horizontal surfaces consisting of solid brickwork, load-bearing hollow bricks, light hollow bricks, mixed bricks, stone and tuff. In addition, it can be used on all those compact or poorly absorbent surfaces such as solid or hollow concrete blocks and expanded clay granules, cellular conglomerate blocks, lime or cement-based subbases, reinforced concrete or magnesium wood structures. Can be used as an adhesive/smoothing agent with ventilation and decoupling systems.

6. Subbases and screeds

The subbase or screed is the horizontal construction element that is adopted to achieve one or more of the following objectives: to level a surface by making it perfectly flat; to distribute the load of the elements above; to receive the final flooring.

- ISOLFONDO
- POMICA MASSETTO
- MASSETTO DRENANTE

ISOLFONDO

It is a biocompatible, pre-packaged insulating lightweight subbase in powder form for interior and exterior use.

ISOLFONDO is free of cement or compounds belonging to the clinker group. It consists of a mixture of pure expanded mineral sands of low specific weight, screened with a continuous grain size range from 0 to 5 mm. The only binder included is Pure Natural Hydraulic Lime NHL 5 in accordance with UNI EN 459-1. NHL 5 lime, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by the extinguishing of calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.



- Dehumidifying
- Ecological
- Radon-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Recyclable
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- NHL 5
- Quick
- Reversible
- Easy
- Green building

Technical Data



PRODUCT TYPE:

Lightweight, insulating subbase mix in accordance with EN 13813

MINIMUM APPLICABLE THICKNESS:

> 3 cm

GRAIN SIZE CURVE EN 1015-1:

0-5 mm

PACKAGING:

17 kg bag

APPARENT BULK DENSITY IN A PILE:

Average 570 kg/m³

PALLET:

48 bags (816 kg)

CONSUMPTION:

3.7 kg/m² approx. per 1 cm thickness

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Floor application indoor/outdoor



Application with trowel



Mixing with H₂O
7 L



Subbase total thickness
23-15 cm



Manual mixing



Walkability
24-48 h



Mechanical mixing



Drying time
2-3 DAYS + cm
+20°C



Peristaltic pump mechanical application



Protect from atmospheric events

Fields of application

ISOLFONDO is specifically designed for the formation of insulating lightweight subbases for new and old structures, for low and high thicknesses of 3 to 15 cm and more. Easily workable with the techniques traditionally used in laying subbases.

ISOLFONDO is used to create the layer between the floor slab and the floor for load distribution, for levelling floors and as a plant cover. Recommended as a subbase for the installation of radiant floor heating systems. Excellent for filling vaulted structures and backfills.

POMICA MASSETTO

It is a biocompatible, pre-packaged lightweight screed in powder form for interior and exterior use, compliant with UNI EN 13813.

POMICA MASETTO is free of cement or compounds belonging to the clinker group. It consists of a mixture of pure expanded mineral sands of low specific weight, screened with a continuous grain size range from 0 to 5 mm. The only binder included is Pure Natural Hydraulic Lime NHL 5 in accordance with UNI EN 459-1. NHL 5 lime, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by the extinguishing of calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.



- Dehumidifying
- Ecological
- Radon-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Recyclable
- Healthy
- Antibacterial
- Anticondensation
- NHL 5
- Quick
- Reversible
- Easy
- Resistant to pollution
- Green building

Technical Data



PRODUCT TYPE:

Lightweight screed mix compliant with UNI EN 13813 standard

GRAIN SIZE CURVE EN 1015-1:

0-5 mm

APPARENT BULK DENSITY IN A PILE:

Average 900 kg/m³

CONSUMPTION:

8 kg/m² approx. per 1 cm thickness

MINIMUM APPLICABLE THICKNESS:

> 3 cm

PACKAGING:

30 kg bag

PALLET:

48 bags (1440 kg)

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Floor application indoor/outdoor



Application with trowel



Mixing with H₂O



Total thickness screed



Manual mixing



Walkability



Mechanical mixing



Drying time



Peristaltic pump mechanical application



Protect from atmospheric events

Fields of application

POMICA MASSETTO is specifically designed for the formation of insulating lightweight screeds for new and old structures, for low and high thicknesses from 3 to 15 and more. Easily workable with the techniques traditionally used in laying subbases. **POMICA MASSETTO** is used to create the final supporting layer of the flooring. Recommended as a screed covering radiant floor systems.

MASSETTO DRENANTE

It is a biocompatible, pre-packaged powdered drainage screed for indoor and outdoor use.

MASSETTO DRENANTE is free of cement or compounds belonging to the clinker group. It consists of a mixture of pure mineral sands, screened with a continuous grain size range of 1.5 to 3.5 mm and free of fine parts. The only binder included is Pure Natural Hydraulic Lime NHL 5 in accordance with UNI EN 459-1. NHL 5 lime, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by the extinguishing of calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.



- Dehumidifying
- Ecological
- Radon-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Recyclable
- Healthy
- Antibacterial
- Anticondensation
- NHL 5
- Quick
- Reversible
- Easy
- Resistant to pollution
- Green building

Technical data



PRODUCT TYPE:
Draining screed mix

THICKNESS:
> 3 cm

GRAIN SIZE CURVE EN 1015-1:
1.5 - 3.5 mm

PACKAGING:
25 kg bag

**APPARENT DENSITY OF FRESH MORTAR
EN 1015-6:**
Average 1950 kg/m³

PALLET:
48 bags (1,200 kg)

CONSUMPTION:
18 kg/m² approx. per 1 cm thickness

STORAGE:
18-24 months in original packaging
in a dry place



Application



Temperature application



Resting time



Floor application outdoors



Application with trowel



Mixing with H₂O
2 L



Total thickness screed
3 cm min



Manual mixing



Walkability
24-48 h



Mechanical mixing



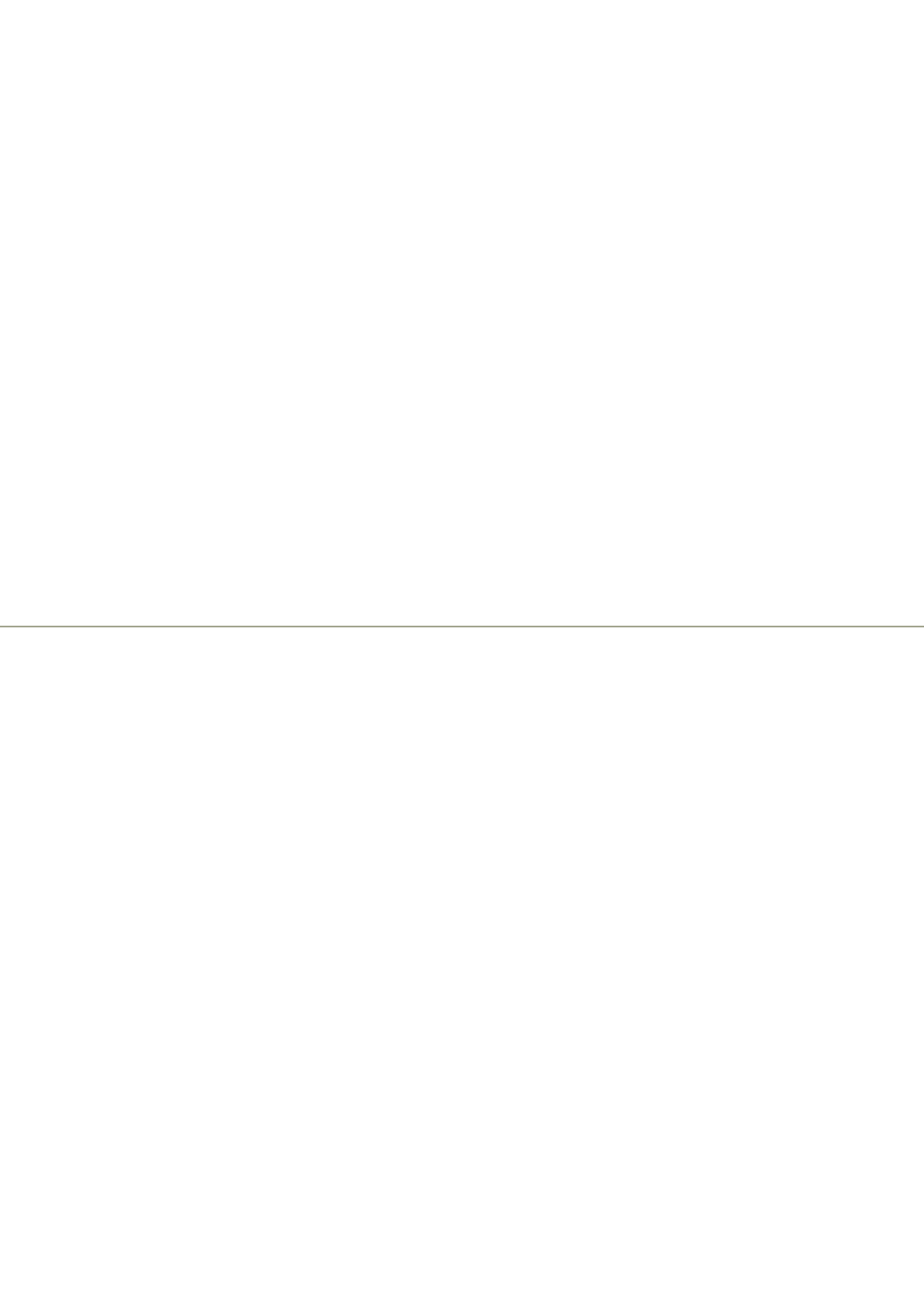
Drying time
2-3 DAYS + cm
+ 20°C



Protect from atmospheric events

Fields of application

MASSETTO DRENANTE is specific for the formation of draining screeds for low (minimum 3 cm) and high thicknesses. Particularly suitable for the construction of flat floors without the need to slope them for water collection, thus enabling the use of a variety of flooring types. Also suitable for green roofs. Easily worked with the techniques traditionally used in screed laying.



7. Lime and hemp

Isocanna is totally natural, highly breathable, biocompatible, with excellent thermal capacity and completely recyclable.

- ISOCANNA

ISOCANNA

It is a hemp chipboard obtained by separating the woody part from the fibrous part by a mechanical process and then reduced to lumps of approximately 6 mm in length for use with Pure Natural Hydraulic Lime NHL 3.5. The mixing of **ISOCANNA** with pure natural hydraulic lime NHL 3.5 provides a totally Natural, highly Breathable, Biocompatible, Thermal and Recyclable compound.



-
- Dehumidifying
 - Ecological
 - Disinfecting
 - Slag-free
 - NHL 3.5
 - Breathable
 - Cement-free
 - Versatile
 - Recyclable
 - Healthy
 - Antibacterial
 - Anticondensation
 - Quick
 - Lightweight
 - Reversible
 - Easy
 - Resistant to pollution
 - Green building

Technical data



PRODUCT TYPE:
Hemp woodchips

GRANULOMETRY
5-25 mm

**APPARENT DENSITY OF FRESH MORTAR
EN 1015-6:**
From 300 to 1,200 kg/m³

-

PACKAGING:
20 kg bag (200 l)

PALLET:
9 bags of 200 l (180 kg)

STORAGE:
18-24 months in original packaging
in a dry place



Application



Application temperature



Resting time



Casing application indoor/outdoor



Application with trowel



Mixing with variable H₂O depending on the ratio



Application with plastic/steel float



Manual mixing



Total thickness variable depending on use



Mechanical mixing



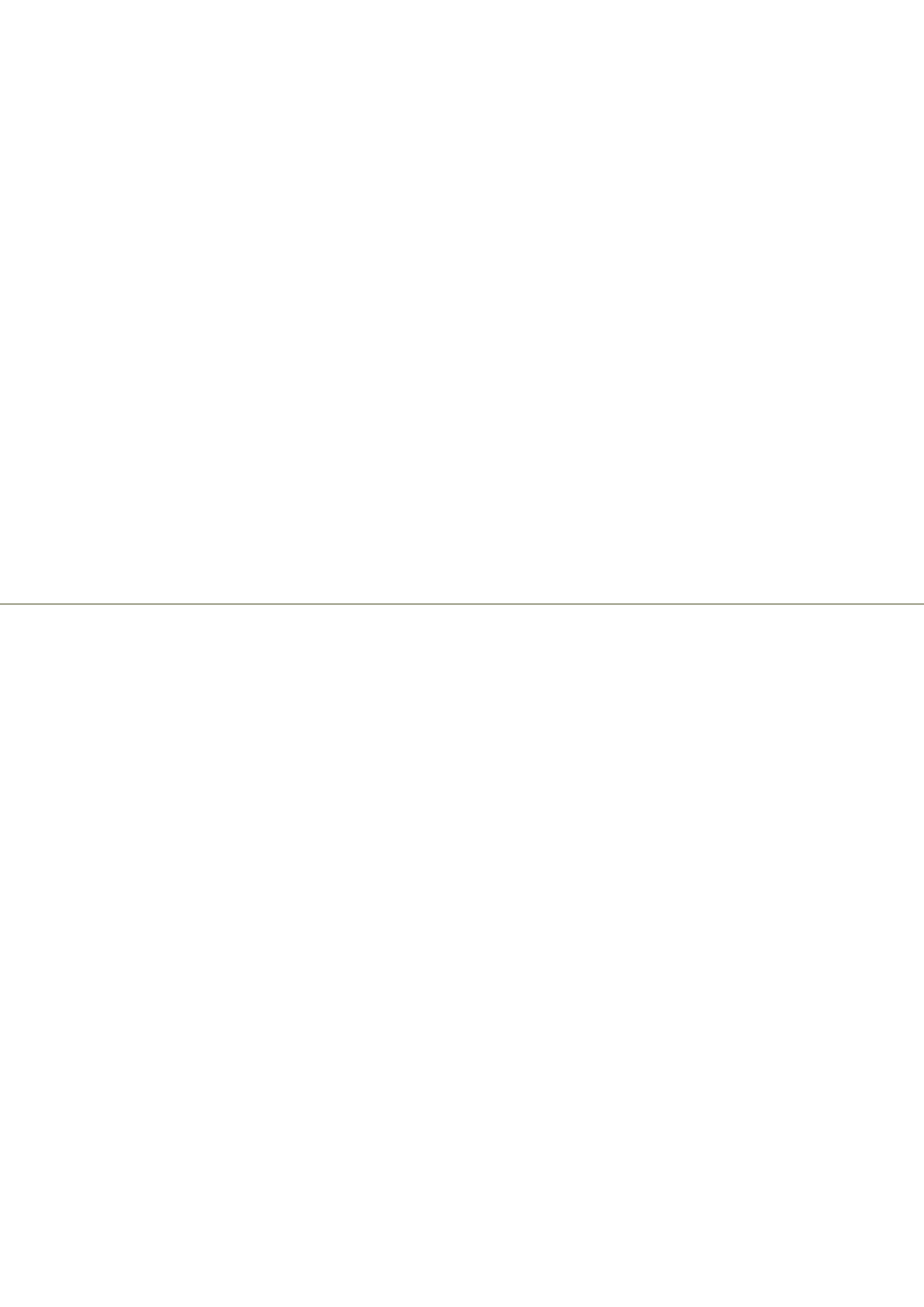
Drying time



Protect from atmospheric events

Fields of application

ISOCANNA mixed in ratio with Pure Natural Hydraulic Lime NHL 3.5 is specific for the formation of insulating lightened subbases, roof fillings, lightened mortars for filling cavity spaces ranging from 15 to 25 cm and more, internal or external insulating mortars from 3 to 10 cm and more.



8. Waterproofing

Water in all its forms is one of the most 'deadly' agents of degradation of plasters, masonry and building subbases. Waterproofing products are perfect for counteracting and protecting various subbases from seepage.

- IDROCALCE
- BANDELLA/CORNERBOND

IDROCALCE

It is a two-component smoothing and waterproofing system. Component A is biocompatible pre-packaged powder for interior and exterior use in accordance with EN 998-1.

IDROCALCE is totally free of cement and compounds belonging to the clinker group. It consists of a mixture of pure silica-calcareous sands, screened with a continuous grain size range from 0 to 0.6 mm. The only binder present is Pure Natural Hydraulic Lime NHL 5 in accordance with UNI EN 459-1. Lime NHL 5, which is white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to a powder by extinguishing the calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind. Component B is a concentrated emulsion that ensures perfect adhesion to the subbase and gives the waterproofing layer considerable elasticity and resistance.



- Dehumidifying
- Ecological
- Chromium-free
- Radon-free
- Restoration
- Breathable
- Resistant
- Versatile
- Healthy
- Anticondensation
- NHL 5
- High adhesion
- Quick
- Reversible
- Easy
- Waterproofing
- Resistant to pollution
- Green building

Technical Data



PRODUCT TYPE:

Hydraulic Lime Waterproofing skim coat
Natural NHL 5 for indoors and outdoors

GRAIN SIZE CURVE EN 1015-1:

0-0.6 mm

APPARENT BULK DENSITY IN A PILE:

Average 1,400 kg/m³

CONSUMPTION:

1.4 kg/m²/mm

PACKAGING:

25 kg bag + 8 kg canister

PALLET:

48 bags (1,200 kg) - 48 canisters (384 kg)

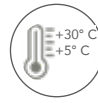
STORAGE:

Comp. A 18-24 months in the original packaging
in a dry place

Comp. B up to 12 months in original packaging
in a dry place



Application



Application temperature



Resting time



Outdoor/indoor application



Application with trowel



Mixing with hydro lime comp. B



Application with plastic/steel spatula



Shake before use



Thickness per coat



Manual mixing



Drying time



Protect from atmospheric events

Fields of application

IDROCALCE is specific as a simple skim coat or reinforced with glass fibre mesh TCS Glass CK 155 protective and waterproofing for all surfaces in need of protection. It can be used on both vertical and horizontal surfaces composed of solid bricks, load-bearing hollow bricks, lightweight hollow bricks, mixed bricks, rubble, and tuff. Additionally, it is suitable for application on compact or non-absorbent surfaces like solid or hollow concrete blocks, expanded clay granules, cellular conglomerate blocks, lime or cement-based subbases, reinforced concrete structures, magnesium wood, or screeds. Top curtains of fences or existing walls where protection from water infiltration and reduction of degradation effects is desired.

CORNERBOND

It is a PP element with a polymer elastomer coating suitable for waterproofing operations in parts subject to movement or expansion. The use in waterproofing works of **CORNERBOND** in combination with the BANDELLA avoids the formation of micro-cracks on particularly stressed points, guaranteeing a seal of SISTEMA. The use of preformed angle brackets **CORNERBOND** for both external and internal corners of BANDELLA and mesh TCS Glass CK 155 as reinforcement to improve the sealing performance and mechanical stresses of the waterproofing layer.



BANDELLA

It is a PP element with polymer elastomer coating suitable for waterproofing operations in parts subject to movement or expansion. The use in waterproofing works of the **BANDELLA** avoids the formation of micro-cracks on particularly stressed points, guaranteeing a sealing of SISTEMA. The use of **BANDELLA** with SISTEMA waterproofing TCS also includes the use of preformed angle brackets **CORNERBOND** for both external and internal corners, and the mesh TCS Glass CK 155as reinforcement to improve the sealing performance and mechanical stresses of the waterproofing layer.



Technical Data

PRODUCT TYPE:

Bandella/Cornerbond in PP with coating in Polymer Elastomer

PRESSURE AT BURNING DIN 527-3:

1.1 bar.

BREAKING LOAD LONGITUDINAL - LATERAL DIN 527-3:

153 N/15 mm - 35 N/15 mm

LONGITUDINAL - LATERAL EXTENSION AT BURNING DIN 527-3:

50% - 31%

UV RESISTANCE DIN 527-3:

< 500 h

BANDELLA PACKAGING:

50 m x 12 cm high roll

CORNERBOND PACKAGING:

25 pieces

STORAGE:

In the original packaging in a dry place



Application



Application temperature



Application with trowel



Application outdoors only



Application with plastic/steel spatula



Protect from atmospheric events

-
- Restoration
 - Resistant
 - Versatile
 - Lightweight
 - Waterproofing
 - Quick
 - Reversible
 - Resistant to pollution
 - Easy

9. Mesh

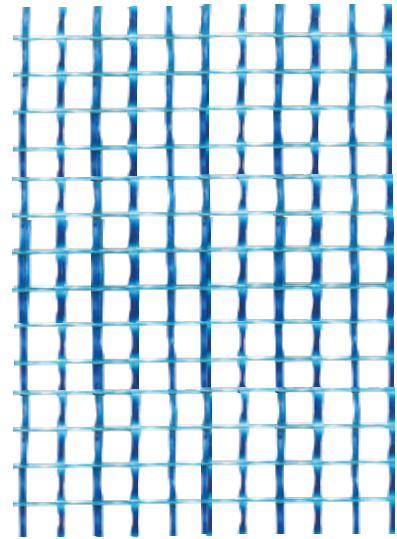
Fibreglass meshes with anti-alkali treatment guarantee excellent laying stability and workability on site; they maintain perfect fibre alignment and are totally impervious to the high pH of lime.

- TCS GLASS CK100
- TCS GLASS CK155
- TCS GLASS N40

TCS GLASS CK100

It is a glass fibre mesh with anti-alkali treatment. The mesh guarantees excellent laying stability and workability on site, maintaining perfect fibre alignment.

TCS GLASS CK100 can be applied with an inorganic matrix of Natural Hydraulic Lime NHL 5 or traditional reinforced plasters.



- Restoration
- Resistant
- Versatile
- Quick
- Lightweight
- Reversible
- Easy
- Resistant to pollution
- Green building

Technical Data

PRODUCT TYPE:
Fibreglass mesh for reinforced plasters

WEIGHT OF RAW FABRIC:
110 g/m²

WEIGHT OF STARCHED FABRIC:
120 g/m²

ELONGATION AT BREAK:
> 3.5%

**TENSILE BREAKING LOAD,
WARP - WEAVE:**
1318 N/5 cm - 1466 N/5 cm

MESH DIMENSION:
11 x 11 mm

PACKAGING:
50 m roll height 1 m

STORAGE:
In the original packaging in a dry place



Application



Application temperature



Casing application indoor/outdoor



Protect from atmospheric events

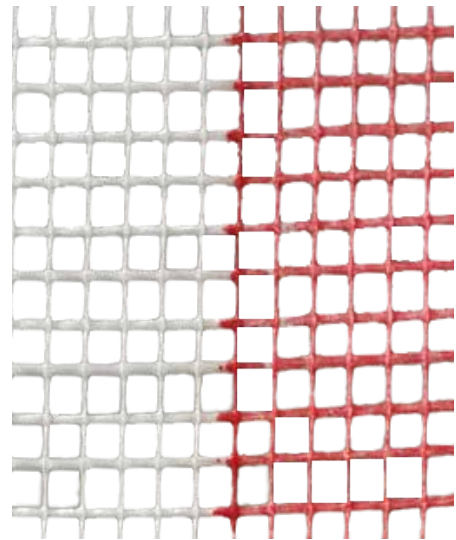
Fields of application

Specifically designed for reinforced plasters. It can be used as reinforcement when laying mortars and plasters of the TCS Lime line on all surfaces consisting of vertical, horizontal and oblique walls made of solid or perforated brick, brick mixed with reinforced concrete structures, stone, stone mixed with brick, tuff. In-situ reinforced concrete, prestressed concrete subbases, concrete and expanded granulates, and cement-based rolled surfaces must be treated in advance with SPRIZZO PONTE DI ADESIONE TCS.

TCS GLASS CK155

It is a glass fibre mesh with anti-alkali treatment. The mesh guarantees excellent laying stability and workability on site, maintaining perfect fibre alignment.

TCS GLASS CK155 can be applied with an inorganic matrix of Natural Hydraulic Lime NHL 5 or traditional, for the creation of reinforced skim coatings or in coating systems.



-
- Restoration
 - Resistant
 - Versatile
 - Quick
 - Reversible
 - Easy
 - Resistant to pollution
 - Consolidating agent
 - Green building

Technical Data

PRODUCT TYPE:

Fibreglass mesh for reinforced smoothing or coat cycles

WEIGHT OF RAW FABRIC:

138 g/m²

WEIGHT OF STARCHED FABRIC:

150 g/m²

ELONGATION AT BREAK:

> 3.5%

**TENSILE BREAKING LOAD,
WARP - WEAVE:**

39.34 N/mm - 42.64 N/mm

MESH DIMENSION:

4x4.5 mm

PACKAGING:

50 m roll height 1 m

STORAGE:

In the original packaging in a dry place



Application



Application temperature



Casing application indoor/outdoor



Protect from atmospheric events

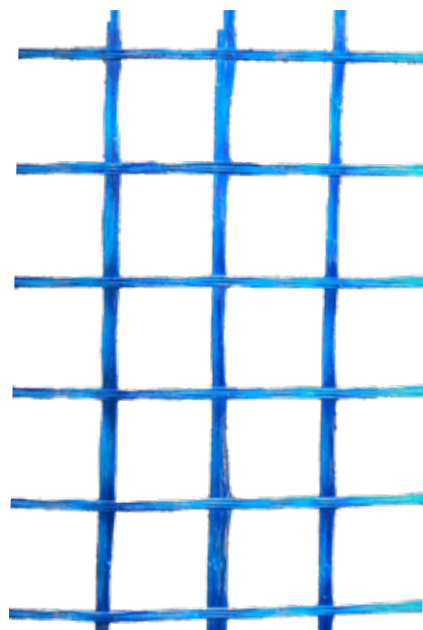
Fields of application

TCS Glass CK 155 in combination with adhesive smoothing coat ADERAS is specifically designed for reinforced smoothing coatings or in thermal insulation systems. Applicable to any type of plaster, traditional or lime, existing or new. Compatibility with panel insulation systems such as XPS, EPS, Glass Fibre, Rock Wool, Wood Fibre, Cork, Magnesite, Aerogel, Nobilium Thermapanel. For any other types of panel, please contact our technical staff to assess the feasibility of use and compatibility of smoothing adhesive and panel.

TCS GLASS

N40

It is a glass-fibre composite net made from glass yarn and with an alkali-resistant coating. The FRP mesh guarantees excellent stability of laying and workability on site, while maintaining perfect fibre alignment. The mesh can be applied with an inorganic matrix, in particular with a natural hydraulic lime matrix, for making subbases, screeds and reinforced plasters.



- Restoration
- Resistant
- Versatile
- Quick
- Reversible
- Easy
- Resistant to pollution
- Consolidating agent
- Green building

Technical Data

PRODUCT TYPE:
FRP glass fibre mesh for screeds

WEIGHT OF RAW FABRIC:
120 g/m²

WEIGHT OF STARCHED FABRIC:
145 g/m²

MAXIMUM LOAD:
30 kN/m

TREATED FABRIC THICKNESS:
1.70 mm

MESH DIMENSION:
40 x 40 mm

PACKAGING:
50 m roll height 1 m

STORAGE:
In the original packaging in a dry place



Application



Application temperature



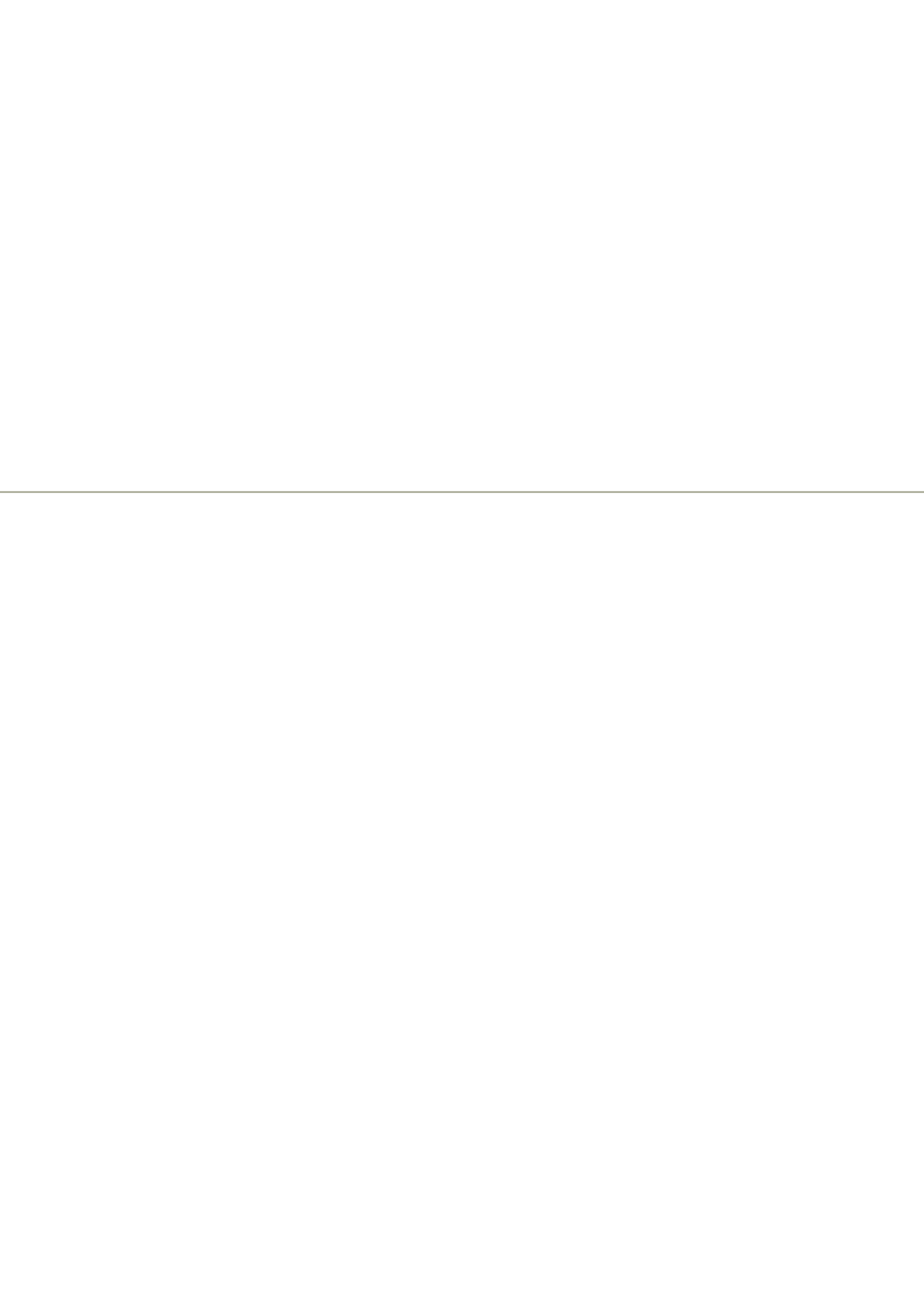
Casing application indoor/outdoor



Protect from atmospheric events

Fields of application

Specifically designed for reinforcing screeds and subbases or for in-plane and out-of-plane flexural and shear reinforcement of structural elements. Hoops and bandages. Innovative floor stiffeners and reinforced kerbs. Particular use for extrados reinforcement of masonry and/or stone vaults and arches. Collaborating screeds and castings. Brick masonry elements, stone, mixed masonry stone and wood. Evaluation of the most suitable matrix depending on the type of subbase.



10. Panel thermal insulation

Combining innovation with tradition, the thermal insulation system with mineral wool or hemp fibre panels is the evolution of the external insulation system. Highly breathable and completely natural in the insulation system with hemp.

- MWD MINERAL WOOL PANEL
- HEMPANEL HEMP PANEL D100
- HEMPANEL HEMP PANEL D30
- TCV BOLT
- STARTING PROFILE AT
- DRIP SPLITTER WITH MESH
- PVC ANGLE WITH MESH
- NC TAPE

MWD MINERAL WOOL PANEL



IS THE EVOLUTION OF THE EXTERNAL INSULATION SYSTEM.

Composite system for external and internal thermal insulation of buildings with MW Rockwool panel. Combining innovation with tradition, the SISTEMA TCS is the evolution of thermal, acoustic and energy-efficient insulation systems. Highly breathable and completely natural for high living comfort.

-
- Slag-free
 - Chromium-free
 - Restoration
 - Resistant
 - Cement-free
 - Versatile
 - Antibacterial
 - Anti-mould
 - Anticondensation
 - NHL 5
 - Quick
 - Lightweight
 - Reversible
 - Easy
 - Resistant to pollution
 - Consolidating agent
 - Waterproofing
 - Green building

Technical Data



PRODUCT TYPE:
MWD wool monodensity panel

THICKNESS:
From 40 mm to 200 mm

THERMAL CONDUCTIVITY EN13162:
0.036 W/(m*K)

REACTION TO FIRE EN 13501-1:
A1

HUMIDITY RESISTANCE FACTOR EN 12086:
 $\mu 1$

**COMPRESSIVE STRENGTH AT 10%
OF DEFORMATION EN 826:**
> 50 kPa

PACKAGING:
Package on pallet covered with polyethylene film

STORAGE:
In the original packaging in a dry place



Application



Application temperature



Application with plastic/steel spatula



Indoor/outdoor application



Application with drill/hammer drill



Application with trowel



Protect from atmospheric events



Manual application

Fields of application

With SISTEMA TCS the building is able to guarantee excellent water vapour diffusion management, preventing the formation of harmful mould and condensation and ensuring a healthy environment. All this is possible thanks to the combination of the three-dimensional, breathable and water-repellent rock wool panel with the special smoothing adhesive ADE RAS composed only of Pure Natural Hydraulic Lime NHL 5. The three-dimensional fibrousness of the panel provides greater protection from external noise. The stability of stone wool board and skim coat ADE RAS guarantees a solid and durable façade, even with dark colours.

HEMPANEL

HEMP PANEL D100

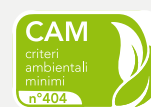


THE NATURAL EVOLUTION OF THE SYSTEM FOR THE THERMAL INSULATION OF PARTITION WALLS, ATTICS AND ROOFS.

Composite system for external and internal thermal insulation of buildings with HEMP fibre. Combining innovation with tradition, the SISTEMA TCS is the evolution of thermal, acoustic and energy-efficient insulation systems. Highly breathable and completely natural for high living comfort.

- Slag-free
- Chromium-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Antibacterial
- Anti-mould
- Anticondensation
- NHL 5
- Quick
- Lightweight
- Reversible
- Easy
- Resistant to pollution
- Green building

Technical Data



PRODUCT TYPE:
Hemp Fibre Panel

THICKNESS:
From 20 mm to 240 mm

THERMAL CONDUCTIVITY EN 13162:
0.039 W/(mK)/(mK)

REACTION TO FIRE EN 13501-1:
E-Class

RESISTANCE TO WATER VAPOUR PASSAGE (UNI EN 12086):
 μ 3.9

DENSITY:
100 (kg/m³)

PACKAGING:
Package on pallet covered with polyethylene film

STORAGE:
In the original packaging in a dry place



Application



Application temperature



Application with plastic/steel spatula



Indoor/outdoor application



Application with drill/hammer drill



Application with trowel



Protect from atmospheric events



Manual application

Fields of application

With SISTEMA TCS the building is able to guarantee excellent water vapour diffusion management, preventing the formation of harmful mould and condensation and ensuring a healthy environment. This is possible thanks to the combination of the HEMP fibre with three-dimensional, breathable and water-repellent oriented fibres to the special smoothing adhesive ADE RAS composed only of Pure Natural Hydraulic Lime NHL 5. The three-dimensional fibrousness of the panel provides greater protection from external noise.

HEMPANEL

HEMP PANEL D30



THE NATURAL EVOLUTION OF THE SYSTEM FOR THE THERMAL INSULATION OF PARTITION WALLS, ATTICS AND ROOFS.

Composite system for external and internal thermal insulation of buildings with HEMP fibre. Combining innovation with tradition, the SISTEMA TCS is the evolution of thermal, acoustic and energy-efficient insulation systems. Highly breathable and completely natural for high living comfort.

- Slag-free
- Chromium-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Antibacterial
- Anti-mould
- Anticondensation
- NHL 5
- Quick
- Lightweight
- Reversible
- Easy
- Resistant to pollution
- Green building

Technical Data



PRODUCT TYPE:
Hemp Fibre Panel

PANEL DIMENSION:
600x1,200 mm

THICKNESS:
From 40 to 180 mm

DENSITY:
30 (kg/m³)

THERMAL CONDUCTIVITY EN 13162:
0.038 W/mK

PACKAGING:
Package on pallet covered with polyethylene film

FIRE REACTION CLASS (DIN 4102):
Class B2

STORAGE:
In the original packaging in a dry place



Application



Application temperature



Application with plastic/steel spatula



Ceiling application indoor/outdoor



Application with drill/hammer drill



Application with trowel



Protect from atmospheric events



Manual application

Fields of application

With SISTEMA TCS the building is able to guarantee excellent water vapour diffusion management, preventing the formation of harmful mould and condensation and ensuring a healthy environment. This is possible thanks to the combination of the CANAPA fibre with three-dimensional, breathable and water-repellent oriented fibres to the special smoothing adhesive ADE RAS composed only of Pure Natural Hydraulic Lime NHL 5. The three-dimensional fibrousness of the panel provides greater protection from external noise. The stability of the hemp panel and the skim coat ADE RAS guarantees a solid and durable façade, even with dark colours.

TCV BOLT

It is a specific dowel for mechanically anchoring insulation panels on all types of masonry, bearing the ETA 08/0314 marking with categories A-B-C-D-E. Its shape makes it ideal in the TCS SISTEMA PRO for the mechanical fixing of Rockwool Panels by eliminating the thermal bridge in the SISTEMA.



Technical data



PRODUCT TYPE:

Expansion anchor with steel screw ETA 08-0314 for TCS SISTEMA PRO

MATERIAL:

Polypropylene PP with steel nail with thermal cut

HEAD DIAMETER

AVAILABLE LENGTHS:

Head diameter 60 mm - diam. 8 mm fixing from 110 mm to 310 mm

CAT. A CEMENT C12/15-C16/20 and C50/60:

0.4 - 0.6 kN

CAT. B SOLID BRICK EN 771-1

CAT. C HOLLOW BRICK EN 771-1:

0.6 - 0.5 kN

CAT. D LAC LIGHTENED CONCRETE EN 1520

CAT. AND AERATED CONCRETE EN 771-4:

0.5 - 0.3 kN

PACKAGING:

100 pieces

STORAGE:

In the original packaging in a dry place

- Restoration
- Resistant
- Versatile
- Quick
- Reversible
- Green building
- Resistant to pollution
- Easy
- Consolidating agent

Application



Application temperature



Manual application



Ceiling application indoor/outdoor



Protect from atmospheric events



Application with drill/hammer drill

Fields of application

TASSELLO TCV is used for the mechanical anchoring of insulation panels on all ETA-certified masonry types in the various classes. For correct use during the installation phase, please refer to the manual TCS SISTEMA PRO.

AL PROFILE

Starting profile with drip end section. Available in different sizes depending on the thickness of the insulation panels to be used.



Technical data

PRODUCT TYPE:

Aluminium starting profile for TCS SISTEMA PRO

MATERIAL:

Aluminium

STANDARD LENGTH:

2.50 m

AVAILABLE WIDTHS:

From 6 cm to 20 cm

PACKAGING:

10 pieces

PALLET:

-

STORAGE:

In the original packaging in a dry place

- Restoration
- Resistant
- Versatile
- Quick
- Reversible
- Lightweight
- Green building
- Resistant to pollution
- Easy

Application



Application temperature



Manual application



Indoor/outdoor application



Protect from atmospheric events



Application with drill/hammer drill

Fields of application

Horizontal starting element for the installation of TCS SISTEMA PRO insulation boards when glued to the wall. For installation, please refer to the TCS SISTEMA PRO manual.

ROMPIGOCCIA WITH MESH

PVC drip splitter with paintable fibreglass mesh and drip splitter function.



Technical data

PRODUCT TYPE:

PVC glass fibre mesh drip splitter for TCS SISTEMA PRO

MATERIAL:

PVC and glass fibre mesh

STANDARD LENGTH:

2.50 m

WIDTH:

10+10 cm

PACKAGING:

20 pieces

PALLET:

-

STORAGE:

In the original packaging in a dry place

- Restoration
- Resistant
- Versatile
- Quick
- Reversible
- Green building
- Resistant to pollution
- Easy
- Consolidating agent

Application



Application temperature



Application with plastic/steel spatula



Indoor/outdoor application



Manual application



Application with trowel



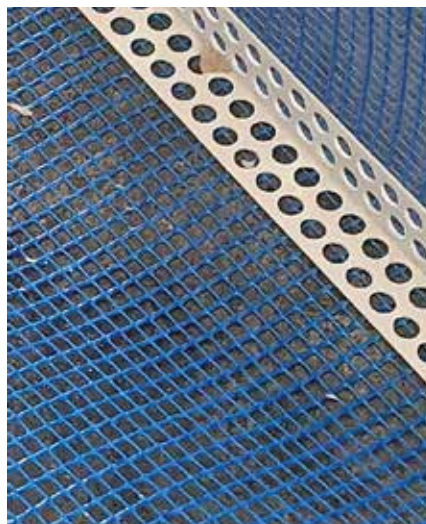
Protect from atmospheric events

Fields of application

ROMPIGOCCIA WITH MESH is used for reinforcing horizontal corners and where it is necessary to prevent water percolation. For installation, please refer to the manual TCS SISTEMA PRO.

PVC ANGLE WITH MESH

Corner protection angle bead with glass fibre mesh. The mesh used for the construction of the ANGLE BEAD is TCS GLASS CK 155 used for the reinforced smoothing of the TCS SISTEMA PRO.



Technical data

PRODUCT TYPE:

PVC angle bead with glass fibre mesh for TCS SISTEMA PRO

ANGLE WIDTH:

From 8+12 cm - 10+15 cm - 10+23 cm

TREATMENT TYPE:

Alkali-resistant without emollients

AVERAGE ELONGATION VALUE STANDARD CONDITIONS:

3.8 - 3.8

AVERAGE ELONGATION VALUE SOLUTION 5% NaOH:

3.5 - 3.5

AVERAGE ELONGATION VALUE QUICK TEST:

3.5 - 3.5

PACKAGING:

20 pieces

STORAGE:

In the original packaging in a dry place

- Restoration
- Resistant
- Versatile
- Quick
- Lightweight
- Reversible
- Green building
- Resistant to pollution
- Easy

Application



Application temperature



Application with plastic/steel spatula



Indoor/outdoor application



Manual application



Application with trowel



Protect from atmospheric events

Fields of application

Specifically designed to keep the mesh TCS GLASS CK 155 laying uniform in order to achieve uniform traction of the entire insulation package. For installation, please refer to the manual TCS SISTEMA PRO.

NC TAPE

PU expanding gasket for insulation and airtightness of insulation with TCS SISTEMA PRO.



Technical data

PRODUCT TYPE:

Sealing tape for airtightness for TCS SISTEMA PRO

MATERIAL:

PU foam, polyacrylate adhesive

ROLL WIDTH:

From 20 mm to 30 mm

ROLL THICKNESS:

1.5-3.0 - 2.0-6.0 - 5.0-9.0 - 7.0-14.0 mm

PACKAGING:

(1.5÷3.0 - 2.0÷6.0 mm) 15 pieces
(5.0÷9.0 mm) 12 pieces - (7.0÷14.0 mm) 10 pieces

PALLET:

-

STORAGE:

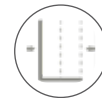
In the original packaging in a dry place

- Restoration
- Resistant
- Versatile
- Quick
- Reversible
- Green building
- Resistant to pollution
- Easy
- Consolidating agent

Application



Application temperature



Variable thickness



Application outdoors only



Protect from atmospheric events



Manual application

Fields of application

NC TAPE is used for sealing at joints in windows, doors and window sills. Also useful for protecting against noise, dust, moisture and heat loss. For installation, please refer to the manual TCS SISTEMA PRO.





Consolidation

SECURE SUPPORT FOR A STABLE FUTURE

We have been protecting and preserving existing structures for over 20 years, ensuring their durability and safety over time.

Each of our interventions is guided by a rigorous technical approach and an accurate assessment of the state of the structure, working daily with architects and engineers, guaranteeing excellent results in terms of performance and structural strength.

Thanks to our production department and ability to adapt to a wide variety of requirements, we are able to meet all customer demands, delivering high results in every situation.





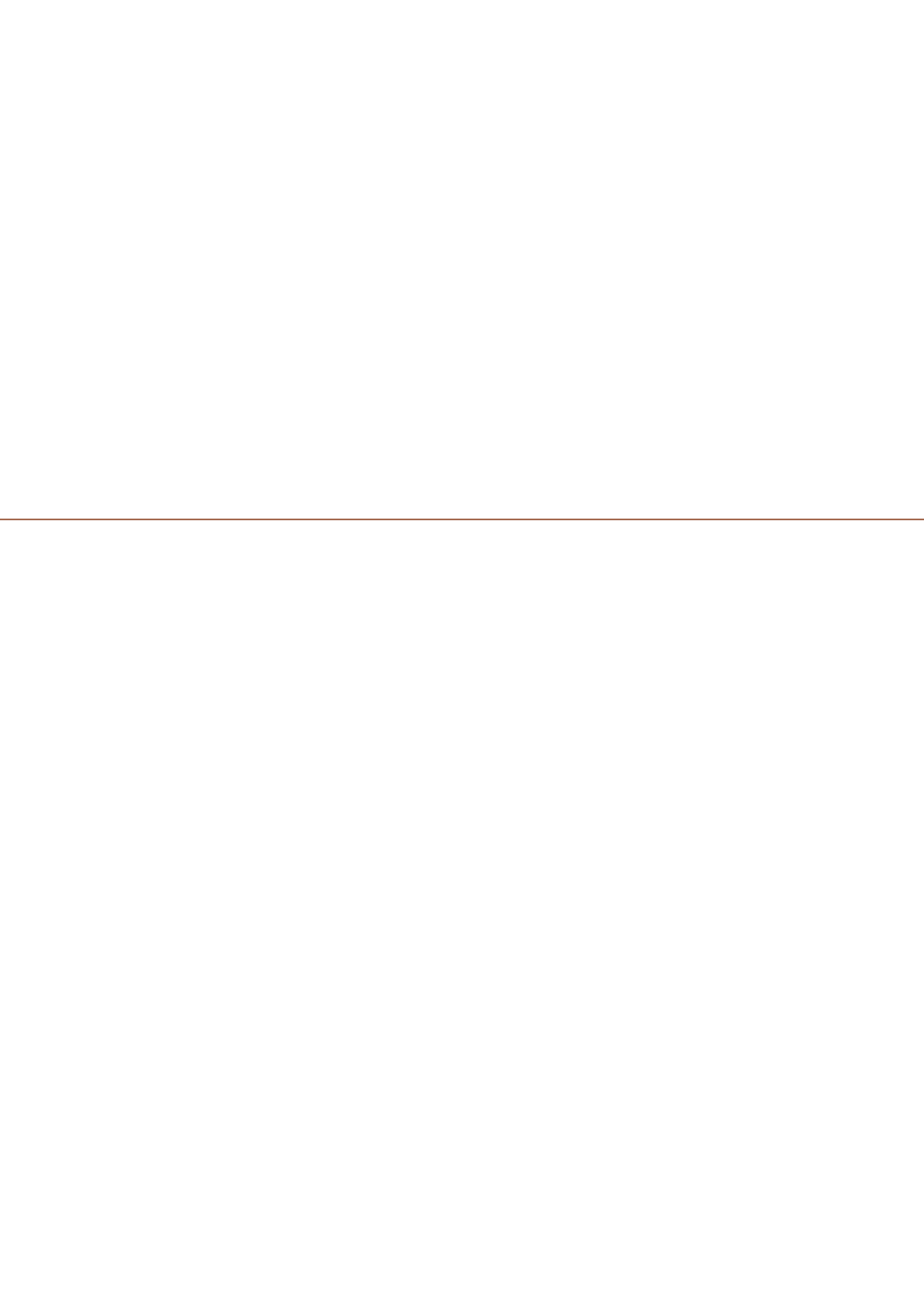
Consolidation

1. Structural mortars and plasters
 2. Fortius System
 3. Carbo-Structura System
 4. Connections
-



Solidity,
innovation
and safety
for successful
projects.





1. Structural mortars and plasters

Inorganic matrix products are optimal for reinforcing masonry buildings and constitute a revolution in the field of rehabilitation of historical, monumental and artistic buildings.

- B-STRUCTURA INIEZIONE OPUS
- CLIMATHERM AR
- B-STRUCTURA G
- B-STRUCTURA
- B-STRUCTURA 10F
- B-STRUCTURA 15F
- MATERICA

B-STRUCTURA INIEZIONE OPUS



The **B-STRUCTURA INIEZIONE OPUS** injection mixture is composed of pure high-strength white **NATURAL HYDRAULIC LIME**, produced from selected siliceous limestones and metacaolin.

The limestones are fired in vertical kilns at a temperature of less than 1,250° C and reduced to a powder by extinguishing the calcium oxide alone, without the need for grinding. The binder NHL 5 binder is totally free of pozzolanic materials, blast furnace slag, fly ash or hydraulic binders of any kind (clinker, cement, etc.), VOC and is compliant with UNI EN 459-1.

- Dehumidifying
- Ecological
- Slag-free
- Chromium-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Recyclable
- Ash-free
- Healthy
- Anticondensation
- Anti-mould
- NHL 5
- High adhesion
- Resistant to pollution
- Consolidating agent

Technical Data



PRODUCT TYPE:

Injection mixture of Pure Natural Hydraulic Lime NHL 5 UNI EN 998-2 and methacolin

Ca(OH)₂
22%

APPARENT BULK DENSITY IN A PILE:

Average 880 kg/m³

COMPRESSIVE STRENGTH EN 1015-11 28 days:

6.3 MPa

FLEXURAL STRENGTH EN 1015-11 28 days:

2.13 MPa

PACKAGING:

20 kg bag

PALLET:

72 bags (1,440 kg)

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Casing application indoor/outdoor



Application with drill/ hammer drill for canule-laying holes



Mixing with H₂O
10 L



Application with injection gun



Manual mixing



Protect from atmospheric events



Mechanical mixing



Peristaltic pump mechanical application

Fields of application

The fluid mixture **B-STRUCTURA INIEZIONE OPUS** is used directly on site for the consolidation injection of masonry. Injection can be carried out by percolation or with the use of low-pressure pumps using special canulae.

CLIMATHERM AR

It is a Biocompatible, Insulating, Dehumidifying Pre-packaged Eco Plaster in powder form for interior and exterior use, compliant with UNI EN 998-1.

CLIMATHERM AR is totally free of cement or compounds belonging to the clinker group. IT consists of a mixture of pure expanded mineral sands of low specific weight, screened with a continuous grain size range from 0 to 4 mm. The only binder included is Pure Natural Hydraulic Lime NHL 5 in accordance with UNI EN 459-1. NHL 5 lime, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by the extinguishing of calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.



- Dehumidifying
- Ecological
- Chromium-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Recyclable
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- NHL 5
- Quick
- Lightweight
- Easy
- Green building

Technical Data



PRODUCT TYPE:

General purpose mortar (G) with guaranteed performance for use on masonry, walls, columns and partitions in accordance with EN 998-2

APPLICABLE THICKNESS PER LAYER:

3-4 cm

GRAIN SIZE CURVE EN 1015-1:

0-4 mm

PACKAGING:

17 kg bag

APPARENT BULK DENSITY IN A PILE:

Average 348 kg/m³

PALLET:

48 bags (816 kg)

CONSUMPTION:

4 kg/m² approx. per 1 cm thickness

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Indoor/outdoor application



Application with trowel



Mixing with H₂O



Application with plastic/steel float



Manual mixing



Total thickness



Mechanical mixing



Drying time



Stator/rotor mechanical application



Protect from atmospheric events

Fields of application

CLIMATHERM AR is specifically designed for the formation of insulating and dehumidifying plasters on new and old masonry, for low and high thicknesses from 2 to over 15 cm. Easily worked with the techniques traditionally used in the application of lime plasters. **CLIMATHERM AR** can be applied directly to vertical and horizontal surfaces consisting of solid brickwork, load-bearing hollow bricks, light hollow bricks, mixed bricks, stone and tuff. For all compact or poorly absorbent surfaces, such as solid or hollow concrete blocks and expanded clay granules, cellular conglomerate blocks, lime or cement-based subbases, reinforced concrete or magnesium wood structures, the use of **CLIMATHERM AR** must be preceded by the application of **SPRIZZO PONTE DI ADESIONE**.

B-STRUCTURA G

It is a biocompatible, pre-packaged structural mortar in powder form for interior and exterior use that complies with UNI EN 998-2.

B-STRUCTURA G is totally free of cement and compounds belonging to the clinker group. It consists of a mixture of pure limestone sands, screened in a continuous grain size range of 0 to 3 mm. The binder consists of Pure Natural Hydraulic Lime NHL in accordance with UNI EN 459-1 and Methacolin. Lime NHL, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by extinguishing the calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.



- Ecological
- Chromium-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Recyclable
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- NHL 5
- High adhesion
- Quick
- Lightweight
- Easy
- Consolidating agent

Technical Data



PRODUCT TYPE:

General purpose mortar (G) for interior and exterior use compliant with EN 998-2

GRAIN SIZE CURVE EN 1015-1:

0-3 mm

APPARENT BULK DENSITY IN A PILE:

Average 1,300 kg/m³

CONSUMPTION:

14.5 kg/m² approx. per 1 cm thickness

APPLICABLE THICKNESS PER LAYER:

2 cm

PACKAGING:

25 kg bag

PALLET:

48 bags (1,200 kg)

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Casing application indoor/outdoor



Application with trowel



Mixing with H₂O



Application with plastic/steel float



Manual mixing



Total thickness



Mechanical mixing



Drying time



Stator/rotor mechanical application



Protect from atmospheric events

Fields of application

Thanks to its outstanding mechanical strength, cohesion and adhesion to subbases, the mortar **B-STRUCTURA G** is particularly suitable for structural reinforcement with glass fibre, carbon fibre, steel, FRP composite materials and helical or FRP metal bars. **B-STRUCTURA G** can be applied directly to vertical and horizontal surfaces consisting of solid brickwork, load-bearing hollow bricks, light hollow bricks, mixed bricks, stone and tuff. **B-STRUCTURA G** is ideal for consolidating renders, structural plastering, seaming of plain or reinforced mortar joints, formation of rising masonry.

B-STRUCTURA

It is a biocompatible, pre-packaged structural mortar in powder form for interior and exterior use that complies with UNI EN 998-2.

B-STRUCTURA is totally free of cement and compounds belonging to the clinker group. It consists of a mixture of pure limestone sands, screened in a continuous grain size range of 0 to 1.4 mm. The binder consists of Pure Natural Hydraulic Lime NHL and Methacolin. Lime NHL, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by extinguishing the calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.



- Ecological
- Chromium-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Recyclable
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- NHL 5
- High adhesion
- Quick
- Lightweight
- Easy
- Consolidating agent

Technical Data



PRODUCT TYPE:

General purpose mortar (C) for interior and exterior use compliant with EN 998-2

GRAIN SIZE CURVE EN 1015-1:

0-1.4 mm

APPARENT BULK DENSITY IN A PILE:

Average 1370 kg/m³

CONSUMPTION:

15 kg/m² approx. per 1 cm thickness

APPLICABLE THICKNESS PER LAYER:

2 cm

PACKAGING:

25 kg bag

PALLET:

48 bags (1,200 kg)

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Casing application indoor/outdoor



Application with trowel



Mixing with H₂O



Application with plastic/steel float



Manual mixing



Total thickness



Mechanical mixing



Drying time



Stator/rotor mechanical application



Protect from atmospheric events

Fields of application

Thanks to its outstanding mechanical strength, cohesion and adhesion to subbases, mortar **B-STRUCTURA** is particularly suitable for structural reinforcement with glass fibre, carbon fibre, steel, FRP composite materials and helical or FRP metal bars. **B-STRUCTURA** can be applied directly to vertical and horizontal surfaces consisting of solid brickwork, load-bearing hollow bricks, light hollow bricks, mixed bricks, stone and tuff. **B-STRUCTURA** is ideal for consolidating renders, structural plastering, seaming of plain or reinforced mortar joints, formation of rising masonry.

B-STRUCTURA 10F

It's a fibre-reinforced, pre-packaged structural mortar in powder form for indoor and outdoor use in accordance with EN 998-2.

B-STRUCTURA 10F consists of a mixture of pure limestone sands, screened with a continuous grain size range from 0 to 1.4 mm.

The binder consists of Pure Natural Hydraulic Lime NHL in accordance with UNI EN 459-1 and Eco-Pozzolan. Lime NHL, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by the mere quenching of calcium oxide.



- Dehumidifying
- Slag-free
- Radon-free
- Restoration
- Breathable
- Resistant
- Versatile
- Recyclable
- Ash-free
- Antibacterial
- NHL 5
- High adhesion
- Quick
- Lightweight
- Reversible
- Easy
- Resistant to pollution
- Consolidating agent

Technical Data



PRODUCT TYPE:

General purpose mortar (C) for interior and exterior use compliant with EN 998-2

GRAIN SIZE CURVE EN 1015-1:

0-1.4 mm

APPARENT DENSITY OF FRESH MORTAR EN 1015-6:

Average 1855 kg/m³

CONSUMPTION:

15 kg/m² approx. per 1 cm thickness

APPLICABLE THICKNESS PER LAYER:

2-3 cm approx per coat

PACKAGING:

25 kg bag

PALLET:

48 bags (1,200 kg)

STORAGE:

12 months in original packaging in a dry place



Application



Application temperature



Resting time



Casing application indoor/outdoor



Application with trowel



Mixing with H₂O
5.25 L



Application with plastic/steel float



Manual mixing



Thickness per coat



Mechanical mixing



Drying time



Stator/rotor mechanical application



Protect from atmospheric events

Fields of application

B-STRUCTURA 10F can be applied directly to vertical and horizontal surfaces consisting of solid brickwork, load-bearing hollow bricks, light hollow bricks, mixed bricks, stone and tuff. For all compact or poorly absorbent surfaces (solid or hollow concrete blocks and expanded clay granulates, cellular conglomerate blocks, lime or cement-based subbases, reinforced concrete structures, magnesium wood).

B-STRUCTURA 10F is ideal for:

- Consolidating renders
- Structural plasters
- FRCM
- Stitching interventions
- Stretching of plain or reinforced mortar joints
- Formation of masonry in elevation.

B-STRUCTURA 15F

It is a fibre-reinforced, pre-packaged structural mortar in powder form for interior and exterior use in accordance with EN 998-2.

B-STRUCTURA 15F consists of a mixture of pure limestone sands, screened with a continuous grain size range from 0 to 1.4 mm.

The binder consists of Pure Natural Hydraulic Lime NHL in accordance with UNI EN 459-1 and Eco-Pozzolan. Lime NHL, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by the mere quenching of calcium oxide.



- Dehumidifying
- Slag-free
- Radon-free
- Restoration
- Breathable
- Resistant
- Versatile
- Recyclable
- Ash-free
- Antibacterial
- NHL 5
- High adhesion
- Quick
- Lightweight
- Reversible
- Easy
- Resistant to pollution
- Consolidating agent

Technical Data



PRODUCT TYPE:

General purpose mortar (C) for interior and exterior use compliant with EN 998-2

GRAIN SIZE CURVE EN 1015-1:

0-1.4 mm

APPARENT DENSITY OF FRESH MORTAR EN 1015-6:

Average 1855 kg/m³

CONSUMPTION:

15 kg/m² approx. per 1 cm thickness

APPLICABLE THICKNESS PER LAYER:

2 cm

PACKAGING:

25 kg bag

PALLET:

48 bags (1,200 kg)

STORAGE:

6 months in original packaging in a dry place



Application



Application temperature



Resting time



Casing application indoor/outdoor



Application with trowel



Mixing with H₂O
5.25 L



Application with plastic/steel float



Manual mixing



Thickness per coat
2-3 cm max



Mechanical mixing



Drying time



Stator/rotor mechanical application



Protect from atmospheric events

Fields of application

B-STRUCTURA 15F can be applied directly on vertical and horizontal surfaces made of solid brick, load-bearing hollow bricks, light hollow bricks, mixed bricks, rubble and tuff, or for all those compact or poorly absorbent surfaces such as solid or hollow concrete blocks and expanded clay granulates, cellular conglomerate blocks, lime- or cement-based subbases, reinforced concrete or magnesium wood structures. B-STRUCTURA 15F is ideal for consolidating renders, structural renders, stitching interventions, pointing of plain or reinforced mortar joints, formation of rising masonry.

MATERICA

It is a thixotropic, single-component, shrinkage-compensated, fibre-reinforced, self-passivating mortar composed of high-performance cements, industrial sands with a maximum grain size of 0.5 mm and specific additives.

Perfectly workable, the applied layers exhibit excellent adhesion, durability, impermeability, exceptional mechanical strength and resistance to atmospheric pollutants. Ideal for restoring or smoothing concrete, without prior passivating treatment of the bars.



- Radon-free
- Resistant
- Versatile
- High adhesion
- Quick
- Easy
- Resistant to pollution
- Consolidating agent
- CLS restoration

Technical Data



PRODUCT TYPE:
Repair mortar type R4 EN 1504-3

APPLICABLE THICKNESS PER LAYER:
Min. 2 mm - Max. 5 cm

GRAIN SIZE CURVE EN 1015-1:
0-1.4 mm

PACKAGING:
25 kg bag

APPARENT BULK DENSITY IN A PILE:
Average 2100 kg/m³

PALLET:
48 bags (1,200 kg)

CONSUMPTION:
19 kg/m² per cm of thickness

STORAGE:
6 months in original packaging
in a dry place



Application



Application temperature



Resting time



Indoor/outdoor application



Application with trowel



Mixing with H₂O
4 L



Application with plastic/steel float



Manual mixing



Total thickness



Mechanical mixing



Pot Life-Duration after mixing



Stator/rotor mechanical application



Protect from atmospheric events

Fields of application

Thanks to its outstanding mechanical strength, cohesion and adhesion characteristics to reinforced concrete subbases, **MATERICA** mortar is particularly suitable for structural reinforcement with nets (glass fibre, carbon, steel), FRP composite materials and helical or FRP metal bars. **MATERICA** can be applied directly to vertical and horizontal surfaces consisting of reinforced concrete, mixed bricks, concrete.

2. Sistema Fortius

Consolidation system consisting of fibre meshes from the TCS GLASS MR family, with 'L' shaped helical or glass fibre connectors and B-STRUCTURA inorganic lime matrices.

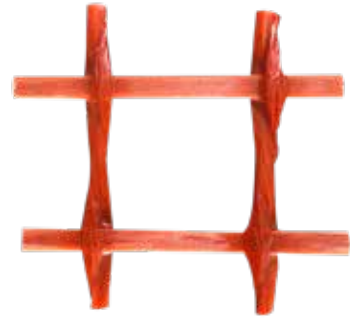
- TCS GLASS MR44
- TCS GLASS MR48
- TCS GLASS MR88
- TCS GLASS MR812
- TCS GLASS MR1212
- TCS GLASS CORNER MR48
- TCS GLASS CORNER MR88
- TCS GLASS CONNECTOR
- V-FIX ANCORANTE VINILESTERE

TCS GLASS

MR44

It is an alkali-resistant composite mesh (Glass Fibre Reinforced Polymer).

Specifically, GFRP mesh is made from glass fibre and epoxy resin. The GFRP mesh guarantees excellent laying stability and workability on site, maintaining perfect fibre alignment. The mesh can be applied with an inorganic matrix, in particular with a natural hydraulic lime matrix, to create the reinforcement system FORTIUS (CRM).



- Restoration
- Resistant
- Versatile
- Quick
- Lightweight
- Reversible
- Resistant to pollution
- Easy
- Consolidating agent

Technical Data



PRODUCT TYPE:

Fibreglass mesh with epoxy matrix for CRM systems. Component of the FORTIUS system.

SINGLE BAR TENSILE STRENGTH

(characteristic):

3.90 kN

TENSILE STRENGTH PER METRE

(characteristic):

97 kN

ELASTIC MODULE (characteristic):

42 GPa

MESH NET:

40 x 40 mm

PACKAGING:

20 x 2 m height roll

1 x 2 m high sheet - Pallet of 5 rolls

STORAGE:

In the original packaging



Application



Application temperature



Casing application indoor/outdoor



Protect from atmospheric events

Fields of application

Specifically designed for the in-plane and out-of-plane consolidation and reinforcement in bending, compression and shear of structural elements. Hoops and bandages. Innovative floor stiffeners and reinforced kerbs. Particular use for the extra-/intra-dovetal reinforcement of masonry and/or stone vaults and arches. Collaborating screeds and castings. Masonry elements of brick, stone, mixed stone masonry, tuff and reinforced concrete. Evaluation of the most suitable matrix depending on the type of subbase. Normally used with mortars from the line B-STRUCTURA e MATERICA.

TCS GLASS

MR48



It is an alkali-resistant composite mesh (Glass Fibre Reinforced Polymer).

Specifically, GFRP mesh is made from glass fibre and epoxy resin. The GFRP mesh guarantees excellent laying stability and workability on site, maintaining perfect fibre alignment. The mesh is applicable with inorganic matrix, in particular with natural hydraulic lime matrix, for the reinforcement system FORTIUS (CRM) reinforcement system.

- Restoration
- Resistant
- Versatile
- Quick
- Lightweight
- Reversible
- Resistant to pollution
- Easy
- Consolidating agent

Technical Data



PRODUCT TYPE:

Fibreglass mesh with epoxy matrix for CRM systems. Component of the FORTIUS system.

SINGLE BAR TENSILE STRENGTH (characteristic):

Weft 6.41 kN - Warp 5.46 kN

TENSILE STRENGTH PER METRE (characteristic):

Weft 80 kN - Warp 136 kN

ELASTIC MODULE (characteristic):

Weft 57 GPa - Warp 40 GPa

MESH NET:

40 x 80 mm

PACKAGING:

20 x 2 m height roll
1 x 2 m high sheet - Pallet of 5 rolls

STORAGE:

In the original packaging



Application



Application temperature



Casing application indoor/outdoor



Protect from atmospheric events

Fields of application

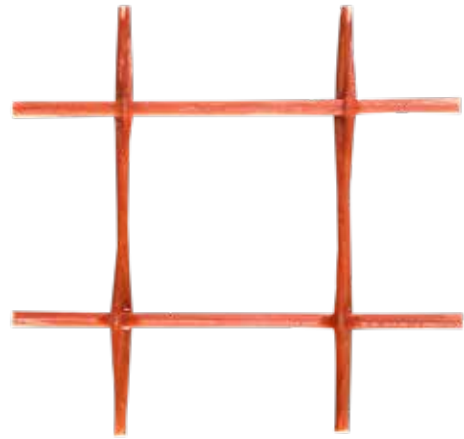
Specifically designed for the in-plane and out-of-plane consolidation and reinforcement in bending, compression and shear of structural elements. Hoops and bandages. Innovative floor stiffeners and reinforced kerbs. Particular use for the extra-/intra-dovetail reinforcement of masonry and/or stone vaults and arches. Collaborating screeds and castings. Masonry elements of brick, stone, mixed stone masonry, tuff and reinforced concrete. Evaluation of the most suitable matrix depending on the type of subbase. Normally used with mortars from the line B-STRUCTURA e MATERICA.

TCS GLASS

MR88

It is an alkali-resistant composite mesh (Glass Fibre Reinforced Polymer).

Specifically, GFRP mesh is made from glass fibre and epoxy resin. The GFRP mesh guarantees excellent laying stability and workability on site, maintaining perfect fibre alignment. The mesh can be applied with an inorganic matrix, in particular with a natural hydraulic lime matrix, to create the reinforcement system FORTIUS (CRM).



- Restoration
- Resistant
- Versatile
- Quick
- Lightweight
- Reversible
- Resistant to pollution
- Easy
- Consolidating agent

Technical Data



PRODUCT TYPE:

Fibreglass mesh with epoxy matrix for CRM systems. Component of the FORTIUS system.

SINGLE BAR TENSILE STRENGTH:

(characteristic):

5.83 kN

TENSILE STRENGTH PER METRE

(characteristic):

72 kN

ELASTIC MODULE

(characteristic):

34 GPa

MESH NET:

80 x 80 mm

PACKAGING:

20 x 2 m height roll

1 x 2 m high sheet - Pallet of 5 rolls

STORAGE:

In the original packaging



Application



Application temperature



Casing application indoor/outdoor



Protect from atmospheric events

Fields of application

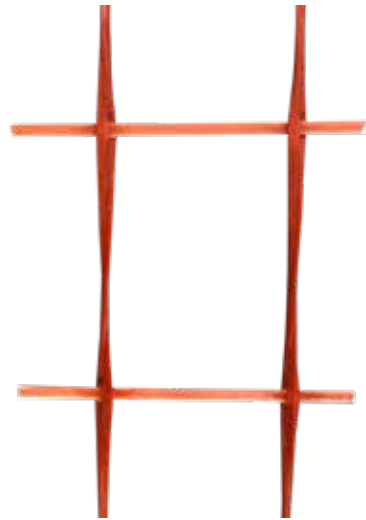
Specifically designed for the in-plane and out-of-plane consolidation and reinforcement in bending, compression and shear of structural elements. Hoops and bandages. Innovative floor stiffeners and reinforced kerbs. Particular use for the extra-/intra-dovetail reinforcement of masonry and/or stone vaults and arches. Collaborating screeds and castings. Masonry elements of brick, stone, mixed stone masonry, tuff and reinforced concrete. Evaluation of the most suitable matrix depending on the type of subbase. Normally used with mortars from the B-STRUCTURA and MATERICA.

TCS GLASS

MR812

It is an alkali-resistant composite mesh (Glass Fibre Reinforced Polymer).

Specifically, GFRP mesh is made from glass fibre and epoxy resin. The GFRP mesh guarantees excellent laying stability and workability on site, maintaining perfect fibre alignment. The mesh is applicable with inorganic matrix, in particular with natural hydraulic lime matrix, for the reinforcement system FORTIUS (CRM) reinforcement system.



- Restoration
- Resistant
- Versatile
- Quick
- Lightweight
- Reversible
- Easy

Technical Data



PRODUCT TYPE:

Fibreglass mesh with epoxy matrix for CRM systems. Component of the FORTIUS system.

SINGLE BAR TENSILE STRENGTH: (characteristic):

Weft 7.10 kN - Warp 5.64 kN

TENSILE STRENGTH PER METRE (characteristic):

Weft 58 kN - Warp 70 kN

ELASTIC MODULE (characteristic):

Weft 58 GPa - Warp 36 GPa

MESH NET:

80 x 120 mm

PACKAGING:

20 x 2 m height roll
1 x 2 m high sheet - Pallet of 5 rolls

STORAGE:

In the original packaging



Application



Application temperature



Casing application indoor/outdoor



Protect from atmospheric events

Fields of application

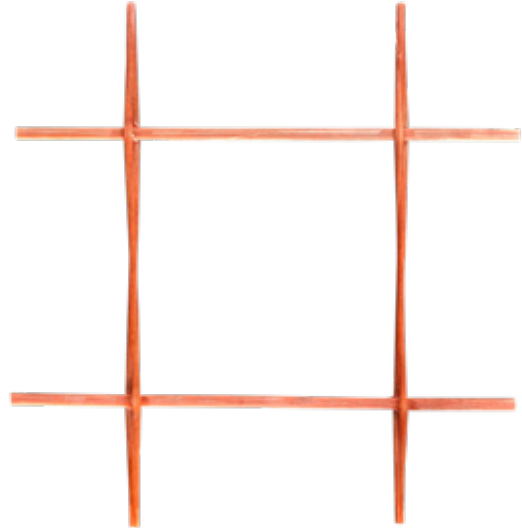
Specifically designed for the in-plane and out-of-plane consolidation and reinforcement in bending, compression and shear of structural elements. Hoops and bandages. Innovative floor stiffeners and reinforced kerbs. Particular use for the extra-/intra-dovetal reinforcement of masonry and/or stone vaults and arches. Collaborating screeds and castings. Masonry elements of brick, stone, mixed stone masonry, tuff and reinforced concrete. Evaluation of the most suitable matrix depending on the type of subbase. Normally used with mortars from the B-STRUCTURA and MATERICA.

TCS GLASS

MR1212

It is an alkali-resistant composite mesh (Glass Fibre Reinforced Polymer).

Specifically, GFRP mesh is made from glass fibre and epoxy resin. The GFRP mesh guarantees excellent laying stability and workability on site, maintaining perfect fibre alignment. The mesh is applicable with inorganic matrix, in particular with natural hydraulic lime matrix, for the reinforcement system FORTIUS (CRM) reinforcement system.



- Restoration
- Resistant
- Versatile
- Quick
- Lightweight
- Reversible
- Easy

Technical Data



PRODUCT TYPE:

Fibreglass mesh with epoxy matrix for CRM systems. Component of the FORTIUS system.

SINGLE BAR TENSILE STRENGTH:

(characteristic):

5.64 kN

TENSILE STRENGTH PER METRE

(characteristic):

46 kN

ELASTIC MODULE

(characteristic):

36 GPa

MESH:

120 x 120 mm

PACKAGING:

20 x 2 m height roll

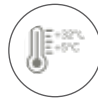
1 x 2 m high sheet - Pallet of 5 rolls

STORAGE:

In the original packaging



Application



Application temperature



Casing application indoor/outdoor



Protect from atmospheric events

Fields of application

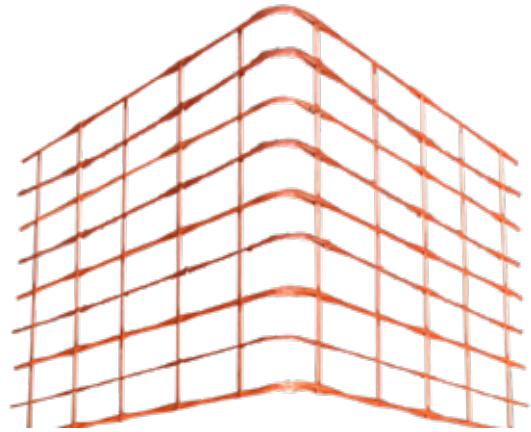
Specifically designed for the in-plane and out-of-plane consolidation and reinforcement in bending, compression and shear of structural elements. Hoops and bandages. Innovative floor stiffeners and reinforced kerbs. Particular use for the extra-/intra-dovetail reinforcement of masonry and/or stone vaults and arches. Collaborating screeds and castings. Masonry elements of brick, stone, mixed stone masonry, tuff and reinforced concrete. Evaluation of the most suitable matrix depending on the type of subbase. Normally used with mortars from the B-STRUCTURA and MATERICA.

TCS GLASS

CORNER MR48

It is an alkali-resistant composite (Glass Fibre Reinforced Polymer) mesh angle. Specifically, the GFRP angle is made from glass fibre and epoxy resin.

The GFRP angle guarantees excellent laying stability and workability on site, while maintaining perfect fibre alignment. The angle can be applied with an inorganic matrix, in particular with a natural hydraulic lime matrix, to create the reinforcement system FORTIUS (CRM) reinforcement system.



- Restoration
- Resistant
- Versatile
- Quick
- Lightweight
- Reversible
- Resistant to pollution
- Easy
- Consolidating agent

Technical Data



PRODUCT TYPE:

Fibreglass corner with epoxy matrix for CRM systems. Component of the FORTIUS system.

MAXIMUM DECOMPOSITION RESISTANCE PER METRE (characteristic):

71 kN

90° DECOMPOSED ANGLE FORCE (characteristic):

2.84 kN

ELASTIC MODULE (characteristic):

40 GPa

RADIUS OF CURVATURE:

30 mm

ANGULAR MESH:

40 x 80 mm

PACKAGING:

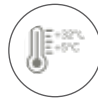
10 pc. 2 m long. Side 40 cm.
Pallet of 200 pcs.

STORAGE:

In the original packaging



Application



Application temperature



Indoor/outdoor application



Protect from atmospheric events

Fields of application

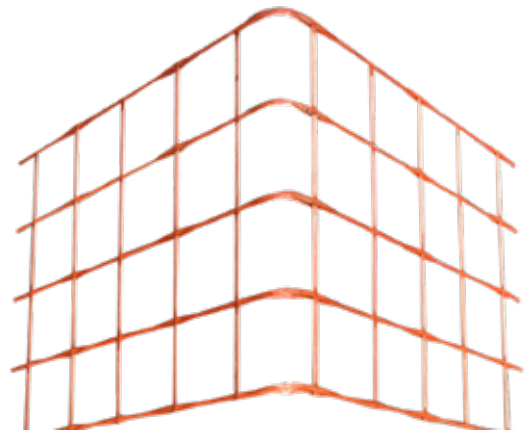
Specifically designed for the in-plane and out-of-plane consolidation and reinforcement in bending, compression and shear of structural elements. Hoops and bandages. Innovative floor stiffeners and reinforced kerbs. Particular use for the extra-/intra-dovetal reinforcement of masonry and/or stone vaults and arches. Collaborating screeds and castings. Masonry elements of brick, stone, mixed stone masonry, tuff and reinforced concrete. Evaluation of the most suitable matrix depending on the type of subbase. Normally used with mortars from the B-STRUCTURA and MATERICA.

TCS GLASS

CORNER MR88

It is an alkali-resistant composite (Glass Fibre Reinforced Polymer) mesh angle. Specifically, the GFRP angle is made from glass fibre and epoxy resin.

The GFRP angle guarantees excellent laying stability and workability on site, while maintaining perfect fibre alignment. The angle can be applied with an inorganic matrix, in particular with a natural hydraulic lime matrix, to create the reinforcement system FORTIUS (CRM) reinforcement system.



-
- Restoration
 - Resistant
 - Versatile
 - Quick
 - Lightweight
 - Reversible
 - Resistant to pollution
 - Easy
 - Consolidating agent

Technical Data



PRODUCT TYPE:
CRM glass fibre angle with epoxy coating

TENSILE BREAKING LOAD, WARP:
62.5 kN

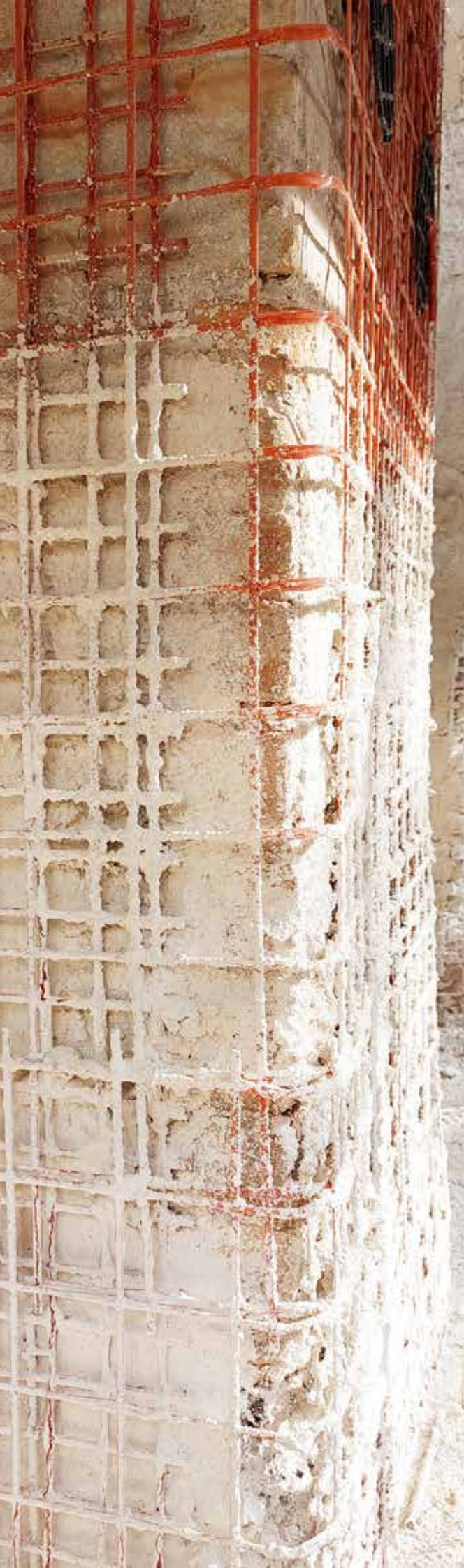
TENSILE BREAKING LOAD, WEFT:
62.5 kN

ELASTIC MODULE EN 13412:
>23 GPa

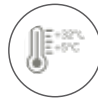
MESH:
80 x 80 mm

PACKAGING:
Corner height 2 m with side larger than 30 cm

STORAGE:
In the original packaging



Application



Application temperature



Indoor/outdoor application



Protect from atmospheric events

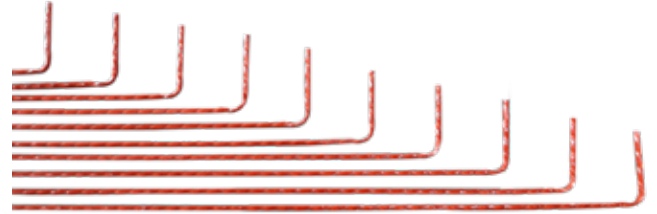
Fields of application

Specifically designed for the in-plane and out-of-plane consolidation and reinforcement in bending, compression and shear of structural elements. Hoops and bandages. Innovative floor stiffeners and reinforced kerbs. Particular use for the extra-/intra-dovetal reinforcement of masonry and/or stone vaults and arches. Collaborating screeds and castings. Masonry elements of brick, stone, mixed stone masonry, tuff and reinforced concrete. Evaluation of the most suitable matrix depending on the type of subbase. Normally used with mortars from the line B-STRUCTURA e MATERICA.

TCS GLASS CONNECTOR

It is an alkali-resistant GFRP (Glass Fibre Reinforced Polymer) composite 'L' connector made from epoxy resin.

The FRP **CONNECTOR** guarantees excellent laying stability and workability on site. The connector is applicable with organic matrix V-FIX Vinyl ester anchor for the construction of the reinforcement system FORTIUS (CRM) reinforcement system.



- Restoration
- Resistant
- Versatile
- High adhesion
- Quick
- Lightweight
- Resistant to pollution
- Easy
- Reversible

Technical Data



PRODUCT TYPE:

Fibreglass L-connector with epoxy matrix for CRM systems. FORTIUS system component

LENGTH:

Short side 10 cm
Long side 10, 20, 30, 40, 50, 60, 70, 80, 90, 100 cm

SINGLE BAR TENSILE STRENGTH (characteristic):

28 kN

BREAKING DEFORMATION (characteristic):

1.11%

ELASTIC MODULE (characteristic):

38 GPa

NOMINAL AREA REFERRED TO THE FIBRE:

29.50 mm²

PACKAGING:

Box of 100 pieces

STORAGE:

In the original packaging



Application



Application temperature



Cleaning the hole with compressed air



Casing application indoor/outdoor



Manual application



Application with drill/hammer drill



Protect from atmospheric events



Application with injection gun

Fields of application

Specifically designed for the in-plane and out-of-plane consolidation and reinforcement in bending, compression and shear of structural elements. Hoops and bandages. Innovative floor stiffeners and reinforced kerbs. Particular use for the extra-/intra-dovetail reinforcement of masonry and/or stone vaults and arches. Collaborating screeds and castings. Masonry elements of brick, stone, mixed stone masonry, tuff and reinforced concrete. Evaluation of the most suitable matrix depending on the type of subbase. Normally used with mortars from the line B-STRUCTURA e MATERICA.

V-FIX ANCORANTE VINILESTERE

Two-component styrene-free vinylester resin in cartridge form for structural anchoring.



- Restoration
- Resistant
- Versatile
- High adhesion
- Quick
- Easy
- Resistant to pollution
- CLS restoration

Technical Data



PRODUCT TYPE:
Styrene-free vinylester resin

HOLE DEPTH:
100 mm

COMPATIBILITY:
Dry and wet walls

NUMBER OF INJECTIONS:
Approx. 25/30 (400 ml cartridge)

REBAR DIAMETER:
ø 8 mm

PACKAGING:
Box of 12 pieces

HOLE DIAMETER:
ø 12 mm

STORAGE:
Up to 16 months in original packaging in a dry place



Application



Application temperature



Application with injection gun



Casing application indoor/outdoor



Manual application



Ready to use



Loading time



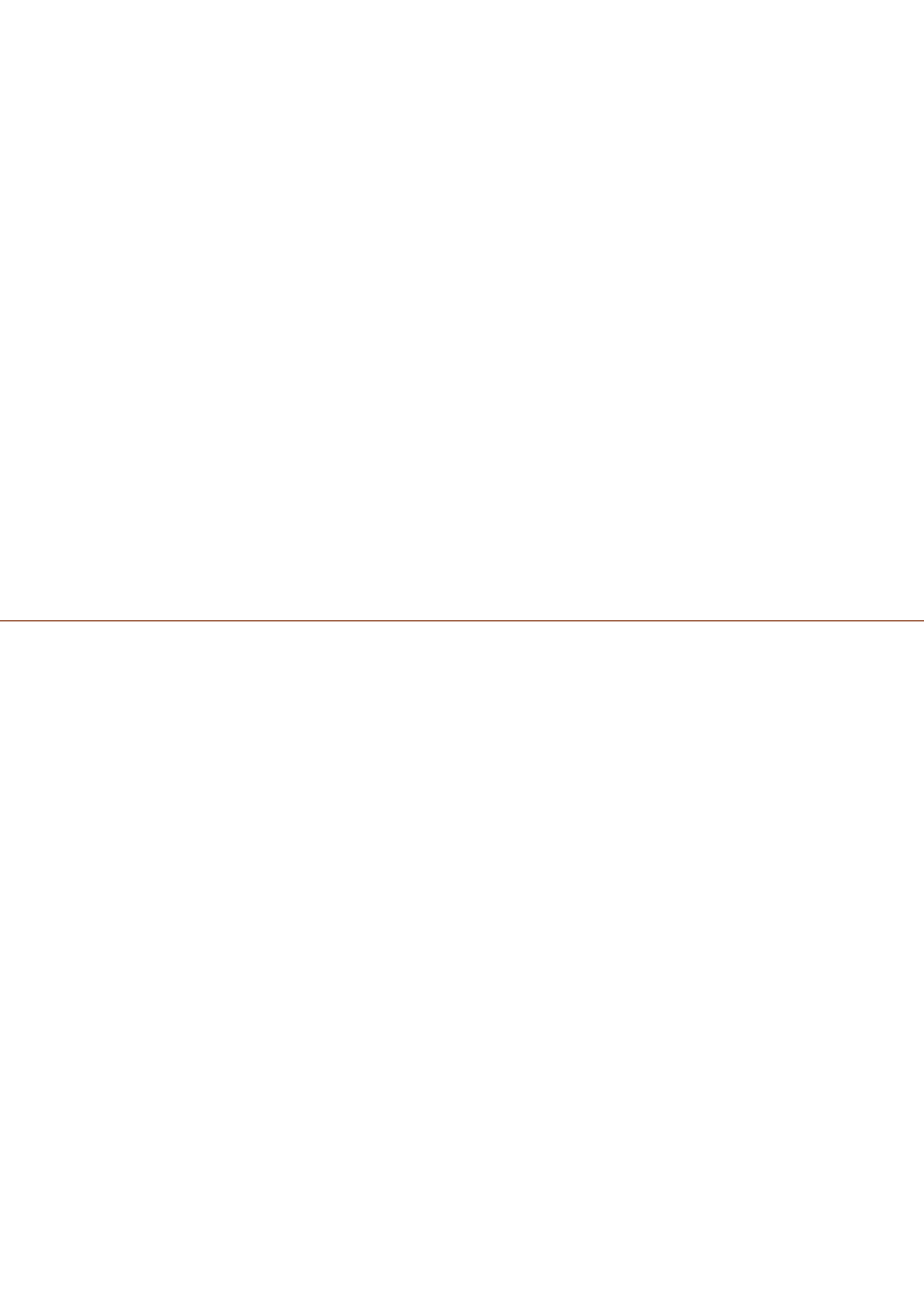
Application with drill/hammer drill



Protect from atmospheric events

Fields of application

Ideal for grouting threaded or improved adhesion bars for reinforced concrete, brickwork, stone, mixed, tuff and wood subbases. Used for anchoring connectors TCS CONNECTOR G7 or TCS REBAR in consolidation with CRM systems such as FORTIUS.



3. Sistema Carbo-Structura

FRP structural reinforcement system using long, continuous carbon fibres immersed in a polymer matrix.

Ideal for reinforcing reinforced concrete, prestressed concrete and masonry.

- ELAN-TECH MC256/W256
- TCS CARBON U300

ELAN-TECH MC256/W256

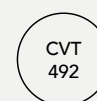
It is the medium-viscosity, two-component, thixotropic epoxy system ideal for structural bonding and impregnation of TCS Consolidation Line fabrics.

ELAN-TECH MC256/W256 is the epoxy system used in the consolidation system CARBO-STRUCTURA FRP class 210C composite reinforcement system with CIT No. 492/2017. The system meets the performance requirements of EN 1504-4.



- Restoration
- Resistant
- Versatile
- High adhesion
- Quick
- Lightweight
- Resistant to pollution
- Easy
- Consolidating agent

Technical Data



PRODUCT TYPE:

Two-Component Epoxy Resin for System EPOSTRUTTURA

TENSILE STRENGTH:

30.82 MPa

ELONGATION AT BREAK:

1.72%

TENSILE MODULE:

2890 MPa

ADHESION EN 1015-12:

14 MPa

GLASS TRANSITION:

57.12 - 62.28 °C

(Average value calculated from three samples)

PACKAGING:

SISTEMA 4+2

4 kg (Comp. A) + 2 kg (Comp. B)

STORAGE:

8 months in the original packaging in a dry place



Application



Application temperature



Application with roller



Casing application indoor/outdoor



Application with plastic/steel float



Mechanical Comp A + Comp B



Drying time



Manual mixing



Protect from atmospheric events

Fields of application

The impregnating adhesive **ELAN-TECH MC256/W256** can be used for vertical, horizontal, oblique, vaulted structures made of brick, brick mixed with reinforced concrete, stone mixed with brick, solid brick, stone, tuff, reinforced concrete, prestressed concrete, steel and wood.

TCS CARBON

U 300

It is a unidirectional high-strength carbon fibre fabric. The fabric is thermo-welded by means of a thermo-thread in the weft to ensure excellent laying stability and workability on site, while maintaining perfect fibre alignment. The fabric is made of dry fibre that can be applied with an organic matrix to create the **CARBO-STRUCTURA** FRP class 210C composite system with CIT No. 492/2017.



-
- Restoration
 - Resistant
 - Versatile
 - High adhesion
 - Quick
 - Lightweight
 - Resistant to pollution
 - Easy
 - Consolidating agent

Technical Data

CVT
492

PRODUCT TYPE:

Unidirectional CARBON Fibre fabric for EPOSTRUTTURA System

TYPE OF FIBRE:

Carbon 18K

WEIGHT OF THE DRY FABRIC:

319.17 (300 nominal)

MECHANICAL TENSILE STRENGTH:

> 4,900 MPa

ELASTIC MODULE EN 13412:

> 243 GPa

DEFORMATION AT BREAK:

1.6%

PACKAGING:

50 m roll
Variable heights 10, 15, 20, 25, 30, 50 cm

STORAGE:

In the original packaging in a dry place



Application



Application temperature



Manual application



Casing application indoor/outdoor



Protect from atmospheric events

Fields of application

Specifically designed for consolidation and reinforcement in bending and shear. Hoops and bandages. Innovative floor stiffeners and reinforced kerbs. Ideal for brick, stone, mixed stone masonry, reinforced concrete, prestressed concrete and wood elements.

4. Connections

Structural consolidation systems with dry connection and FRCM for reinforcing structural elements made of brick, tuff, wood, stone or mixed materials. The innovative line includes stainless steel helical bars, ideal for building anchorages and seams, or mechanical connections requiring high strength and hardness, short installation times and high productivity.

- TCS TWIST 6A2
- TCS TWIST 9A2
- TCS TWIST 12A4
- TCS DRIVER
- TCS REBAR C
- TCS REBAR G

TCS TWIST

6A2

It is the innovative, class A2 stainless steel helical bar used for anchorages, connections, dry seams and reinforced joints. The helix shape and highly hardened steel give the bar high strength and hardness, thus enabling a mechanical connection.



-
- Restoration
 - Resistant
 - Versatile
 - High adhesion
 - Quick
 - Lightweight
 - Resistant to pollution
 - Easy
 - Reversible

Technical Data



PRODUCT TYPE:
Helical connector for dry insertion

ELASTIC MODULE EN 13412:
> 160 GPa

TENSILE STRENGTH:
> 950 MPa

NOMINAL DIAMETER:
> 6 mm

TENSILE BREAKING LOAD:
> 7.20 kN

PACKAGING:
A roll

SHEAR BREAKING LOAD:
> 4 kN

LENGTH:
7 m



Application



Casing application
indoor/outdoor



Manual application



Application with drill/hammer drill



Protect from atmospheric events



Application with TCS Driver

Fields of application

TCS TWIST 6A2 is ideal for making connections and seams in masonry elements of solid or semi-solid brickwork, tuff, stone, unfired earth, and wood. Insertions into concrete supports or mixed elements are also possible. Creation of innovative diatons and connections of consolidation systems by means of reinforcing fabrics and nets of the TCS consolidation line. Implementation of anti-tipping devices and systems.

TCS TWIST

9A2

It is the innovative, class A2 stainless steel helical bar used for anchorages, connections and dry seams. The helix shape and highly hardened steel give the bar high strength and hardness, thus enabling a mechanical connection.



-
- Restoration
 - Resistant
 - Versatile
 - High adhesion
 - Quick
 - Lightweight
 - Resistant to pollution
 - Easy
 - Reversible

Technical Data



PRODUCT TYPE:
Helical connector for dry insertion

TENSILE STRENGTH:
> 1110 MPa

TENSILE BREAKING LOAD:
> 16.7 kN

SHEAR BREAKING LOAD:
> 8 kN

ELASTIC MODULE EN 13412:
> 160 GPa

NOMINAL DIAMETER:
> 9 mm

PACKAGING:
25 pieces

LENGTH:
200, 400, 600, 800, 1,000 mm
(other lengths on request)



Application



Casing application
indoor/outdoor



Manual application



Application with drill/hammer drill



Protect from atmospheric events



Application with TCS Driver

Fields of application

TCS TWIST 9A2 is ideal for making connections and seams in masonry elements of solid or semi-solid brickwork, tuff, stone, unfired earth, and wood. Insertions into concrete supports or mixed elements are also possible. Creation of innovative diatons and connections of consolidation systems by means of reinforcing fabrics and nets of the TCS consolidation line. Implementation of anti-tipping devices and systems.

TCS TWIST

12A4

It is the innovative A4 class stainless steel helical bar for anchorages, connections and dry seams. The helix shape and highly work-hardened steel give the bar high strength and hardness, enabling a mechanical connection.



- Restoration
- Resistant
- Versatile
- High adhesion
- Quick
- Lightweight
- Resistant to pollution
- Easy
- Reversible

Technical Data



PRODUCT TYPE:
Helical connector for dry insertion

TENSILE STRENGTH:
> 900 MPa

TENSILE BREAKING LOAD:
> 26 kN

SHEAR BREAKING LOAD:
> 17 kN

ELASTIC MODULE EN 13412:
> 196 GPa

NOMINAL DIAMETER:
> 12 mm

LENGTH:
610, 760, 910, 1,060, 1,220, 1,370, 1,520, 1,670 mm
(other lengths on request)



Application



Casing application indoor/outdoor



Manual application



Application with drill/hammer drill



Protect from atmospheric events



Application with TCS Driver

Fields of application

TCS TWIST 12A4 is ideal for making connections and seams in masonry elements of solid or semi-solid brickwork, tuff, stone, unfired earth, and wood. Insertions into concrete supports or mixed elements are also possible. Creation of innovative diatons and connections of consolidation systems by means of reinforcing fabrics and nets of the TCS consolidation line. Implementation of anti-tipping devices and systems.

TCS DRIVER

—

This is the special device for dry insertion of TCS TWIST stainless steel helical bars. The device is mounted on the spindle of a drill with SDS-Plus shank.





TCS REBAR C

It is a carbon fibre and epoxy resin bar obtained by pultrusion. The bar has improved grip.



-
- Restoration
 - Resistant
 - Resistant to pollution
 - Versatile
 - Easy
 - High adhesion
 - Consolidating agent
 - Quick
 - CLS restoration
 - Lightweight

Technical Data

PRODUCT TYPE:
Improved adhesion CFRP bar

DIAMETER
From 4 to 16 mm

DEFORMATION AT BREAK:
Variable depending on diameter

FRP BAR ELASTIC MODULE, E_f :
Variable depending on diameter

TENSILE STRENGTH:
Variable depending on diameter

LENGTH:
2 m standard, special sizes on request

PACKAGING:
20 pieces

STORAGE:
In the original packaging in a dry place



Application



Casing application
indoor/outdoor



Manual application



Application with drill/hammer drill



Protect from atmospheric events



Application with injection gun

Fields of application

TCS REBAR C can be used instead of classical steel bars as reinforcement for concrete in applications where aggressive environments would lead to rapid degradation of the reinforcement iron.

TCS REBAR C can be used as a connector in restorations and building renovations.

TCS REBAR C is ideal for the structural consolidation of existing reinforced concrete, masonry and timber structures.

TCS REBAR G

It is a fibreglass and epoxy resin bar obtained by pultrusion. The connector has an improved grip.



- Restoration
- Resistant
- Versatile
- High adhesion
- Quick
- Lightweight
- Resistant to pollution
- Easy
- Consolidating agent

Technical Data

PRODUCT TYPE:

GFRP Glass Fibre Bar with Improved Adhesion

DEFORMATION AT BREAK:

Variable depending on diameter

FRP BAR ELASTIC MODULE, E_f :

Variable depending on diameter

MECHANICAL TENSILE STRENGTH:

Variable depending on diameter

MECHANICAL SHEAR STRENGTH, T-:

Variable depending on diameter

LENGTH:

Bars from 1 to 6 m

PACKAGING:

20 pieces

STORAGE:

In the original packaging in a dry place



Application



Casing application
indoor/outdoor



Manual application



Application with
drill/hammer
drill



Protect from
atmospheric
events



Application with
injection gun

Fields of application

TCS REBAR G can be used instead of classical steel bars as reinforcement for concrete in applications where aggressive environments would lead to rapid degradation of reinforcement iron or where electromagnetic transparency is needed. TCS REBAR G can be used as a connector in building restoration and renovation.



Finishes

CRAFTING SOMETHING UNIQUE

The finishes are the final touch that makes a building unique and welcoming.

From floors to walls, ceilings to wall coverings, we offer high quality materials and finishes to suit every taste and style, transforming any space into an exclusive and elegant environment.

Experience, passion and commitment make it possible to realise unique and surprising projects, bringing the taste and personality of each customer to life.

We are ready to give you spaces to love and experience to the full.





Finishes

1. Smoothing coats
 2. Limes
 3. Anti-mould thermal paints
 4. Silicates
 5. Protectors
-



Details that
convey
a personality.



1.

Smoothing coats

As well as having an aesthetically pleasing impact, levelling compounds ensure the protection and durability of the building. These characteristics, combined with the total mineral nature of the components, guarantee their purity, non-toxicity, non-harmfulness and total recyclability of the product in full respect of man and the environment.

- INTOCIVILE 0.0 NATURALE
- INTOCIVILE 0.4 NATURALE
- INTOCIVILE 0.8 NATURALE
- INTOCIVILE 0.8 BIANCO BOTTICINO

INTOCIVILE 0.0 NATURALE



It is a pre-packaged biocompatible smoothing plaster in powder form for interior and exterior use that complies with UNI EN 998-1.

INTOCIVILE 0.0 NATURALE is totally free of cement and clinker compounds. It consists of a mixture of pure silica-calcareous sands, screened in a continuous fine-grained arc. The only binder included is Pure Natural Hydraulic Lime NHL 5 in accordance with UNI EN 459-1. Lime NHL5, which is white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by the extinguishing of calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.

- Dehumidifying
- Ecological
- Chromium-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Versatile
- Recyclable
- Healthy
- Anticondensation
- Anti-mould
- NHL 5
- Quick
- Reversible
- Easy
- Resistant to pollution
- Green building to pollution Green building Consolidating

Technical Data



PRODUCT TYPE:

General purpose mortar (GP) for interior and exterior use in accordance with EN 998-1

ADHESION EN 1015-12:

0.3 N/mm² FP-B

GRAIN SIZE CURVE EN 1015-1:

0 - 0.0 mm

PACKAGING:

16 kg bag

APPARENT BULK DENSITY IN A PILE:

Average 1220 kg/m³

PALLET:

72 bags (1152 kg)

CONSUMPTION:

1.4 kg/ m²/mm

STORAGE:

18-24 months in original packaging in a dry place

Application



Application temperature



Resting time



Indoor/outdoor application



Application with trowel



Mixing with H₂O



Application with plastic/steel spatula



Manual mixing



Work with plastic/steel float



Mechanical mixing



Drying time



Protect from atmospheric events

Fields of application

INTOCIVILE 0.0 NATURALE is specifically designed for the creation of smoothed or polished skim coats with a matt satin effect in the area of new construction, renovation of existing heritage and restoration. It can be applied to various types of vertical and horizontal, internal and external subbases, both new and existing such as: rustic plaster of any type and nature lime and/or cement based.

INTOCIVILE 0.4 NATURALE



It is a pre-packaged biocompatible smoothing plaster in powder form for interior and exterior use that complies with UNI EN 998-1.

INTOCIVILE 0.4 NATURALE is totally free of cement and clinker compounds. It consists of a mixture of pure silica-calcareous sands, screened in a continuous grain size range from 0 to 0.4 mm. The only binder present is Pure Natural Hydraulic Lime NHL 5 in accordance with UNI EN 459-1. NHL 5 lime, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by the extinguishing of calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.

- Dehumidifying
- Ecological
- Chromium-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Recyclable
- Versatile
- Healthy
- Anticondensation
- Anti-mould
- NHL 5
- Quick
- Reversible
- Easy
- Resistant to pollution
- Green building

Technical Data



PRODUCT TYPE:

General purpose mortar (GP) for interior and exterior use in accordance with EN 998-1

ADHESION EN 1015-12:

0.3 N/mm² FP-B

GRAIN SIZE CURVE EN 1015-1:

0-0.4 mm

PACKAGING:

25 kg bag

APPARENT BULK DENSITY IN A PILE:

Average 1220 kg/m³

PALLET:

48 bags (1,200 kg)

CONSUMPTION:

1.4 kg/m²/mm

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Indoor/outdoor application



Application with trowel



Mixing with H₂O
6-6.5 L



Application with plastic/steel spatula



Manual mixing



Work with plastic/steel float



Mechanical mixing



Drying time



Stator/rotor mechanical application



Protect from atmospheric events

Fields of application

INTOCIVILE 0.4 NATURALE is specifically designed for standard or smoothed skim coats in new construction, rehabilitation of existing heritage and restoration. It can be applied to various types of vertical and horizontal, internal and external subbases, both new and existing such as: rustic plaster of any type and nature lime and/or cement based.

INTOCIVILE 0.8 NATURALE



It is a pre-packaged biocompatible smoothing plaster in powder form for interior and exterior use that complies with UNI EN 998-1.

INTOCIVILE 0.8 NATURALE is totally free of cement and clinker compounds. It consists of a mixture of pure silica-calcareous sands, screened in a continuous grain size range from 0 to 0.8 mm. The only binder present is Pure Natural Hydraulic Lime NHL 5 in accordance with UNI EN 459-1. Lime NHL 5, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by the extinguishing of calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.

- Dehumidifying
- Ecological
- Chromium-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Recyclable
- Versatile
- Healthy
- Anticondensation
- Anti-mould
- NHL 5
- Quick
- Reversible
- Easy
- Resistant to pollution
- Green building

Technical Data



PRODUCT TYPE:

General purpose mortar (GP) for interior and exterior use in accordance with EN 998-1

GRAIN SIZE CURVE EN 1015-1:

0-0.8 mm

APPARENT BULK DENSITY IN A PILE:

Average 1,300 kg/m³

CONSUMPTION:

1.4 kg/m²/mm

ADHESION EN 1015-12:

0.4 N/mm² FP-B

PACKAGING:

25 kg bag

PALLET:

48 bags (1,200 kg)

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Indoor/outdoor application



Application with trowel



Mixing with H₂O
6-6.5 L



Application with plastic/steel spatula



Manual mixing



Work with plastic/steel float



Mechanical mixing



Drying time



Stator/rotor mechanical application



Protect from atmospheric events

Fields of application

INTOCIVILE 0.8 NATURALE is specifically designed for standard and smoothed skim coats in the field of new construction, renovation of existing heritage and restoration. It can be applied to various types of vertical and horizontal, internal and external subbases, both new and existing such as: rustic plaster of any type and nature lime and/or cement based.

INTOCIVILE 0.8 BIANCO BOTTICINO



It is a pre-packaged biocompatible smoothing plaster in powder form for interior and exterior use that complies with UNI EN 998-1.

INTOCIVILE 0.8 BIANCO BOTTICINO is totally free of cement and compounds belonging to the clinker group. It consists of a mixture of pure silica-calcareous sands, screened in a continuous grain size range from 0 to 0.8 mm. The only binder included is Pure Natural Hydraulic Lime NHL 5 in accordance with UNI EN 459-1. NHL 5 lime, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by the extinguishing of calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.

- Dehumidifying
- Ecological
- Chromium-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Recyclable
- Versatile
- Healthy
- Anticondensation
- Anti-mould
- NHL 5
- Quick
- Reversible
- Easy
- Resistant to pollution
- Green building

Technical Data



PRODUCT TYPE:

General purpose mortar (GP) for interior and exterior use in accordance with EN 998-1

GRAIN SIZE CURVE EN 1015-1:

0-0.8 mm

APPARENT BULK DENSITY IN A PILE:

Average 1,200 kg/m³

CONSUMPTION:

1.4 kg/m²/mm

ADHESION EN 1015-12:

0.4 N/mm² FP-B

PACKAGING:

25 kg bag

PALLET:

48 bags (1,200 kg)

STORAGE:

18-24 months in original packaging in a dry place



Application



Application temperature



Resting time



Indoor/outdoor application



Application with trowel



Mixing with H₂O



Application with plastic/steel spatula



Manual mixing



Work with plastic/steel / sponge float



Mechanical mixing



Drying time



Stator/rotor mechanical application



Protect from atmospheric events

Fields of application

INTOCIVILE 0.8 BIANCO BOTTICINO is specifically designed for the creation of reinforced, standard or smoothed skim coats in the field of new construction, the restoration of existing heritage and in restoration. It can be applied to various types of vertical and horizontal, internal and external subbases, both new and existing such as: rustic plaster of any type and nature lime and/or cement based.



INTOCIVILE 0.8 BIANCO BOTTICINO

INTOCIVILE 0.8 NATURALE

INTOCIVILE 0.4 NATURALE

INTOCIVILE 0.0 NATURALE



2. Lime

TCS offers finishes made of pure, long seasoned and hydrated slaked lime, free of volatile organic compounds and petrochemical derivatives, to offer a truly ecological product, in the name of human and environmental well-being. Thanks to the versatile properties of these products, a variety of aesthetic effects can be achieved.

- STORICAL AFFRESCO
- STORICAL TONACHINO 0.35
- STORICAL TONACHINO 0.75
- STORICAL TONACHINO 1.1
- STORICAL TONACHINO NATURALE
- STORICAL MARMO OPACO
- STORICAL MARMO LUSTRO
- PASTELLONE

STORICAL AFFRESCO

It is a biocompatible mineral paint composed only of slaked lime obtained by firing pure limestones, in vertical kilns at temperatures below 900° C, cured for a long time, fully hydrated and classified as CL 90-S PL in conformity with UNI EN 459-1.

Used in the natural state or tinted in the mass with lightfast inorganic pigments for painting, glazing or priming.



- Ecological
- Disinfecting
- Restoration
- Breathable
- Resistant
- Recyclable
- Versatile
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- High adhesion
- Lightweight
- Reversible
- Easy
- Resistant to pollution
- Green building
- CL 90

Technical Data



PRODUCT TYPE:

Air lime finishing paint CL 90-S PL
UNI EN 459-1 for indoor and outdoor use

WATER VAPOUR DIFFUSION RESISTANCE COEFFICIENT EN 1015-19:

Sd 0,055 m

EC 2010 LIMIT VALUE OF VOC (cat.A/a) 30 g/l:

Max VOC 10 g/l

PACKAGING:

15 l bucket

DENSITY:

Average 1,300 kg/m³

PALLET:

36 buckets (720 kg)

CONSUMPTION:

4 m²/l in two coats on new, plaster-finished subbase

STORAGE:

No expiry date in original packaging
unopened in a dry place away from heat and frost

Application



Application temperature



Application with brush



Indoor/outdoor application



Application with airless



Mechanical with H₂O 7.5 l first coat, 4-5 l second/third coat per tin



Drying time



Manual mixing



Protect from atmospheric events

Fields of application

STORICAL AFFRESCO is specifically designed for painting, glazing and priming in the field of new construction, renovation of existing heritage and restoration. It can be applied to various types of vertical and horizontal subbases, both internal and external, both new and existing, such as: rustic plaster of any type and nature (lime and/or cement based) previously levelled with products from the Rasanti TCS line.

STORICAL TONACHINO 0.35



It is a biocompatible mineral plaster finish in ready-to-use paste form. Composed of a mixture of pure carbonate sands, selected with a continuous grain size range from 0 to 0.35 mm and slaked lime obtained by firing pure limestones in vertical kilns at temperatures below 900° C, classified as CL 90- S PL in conformity with standard UNI EN 459-1.

STORICAL TONACHINO 0.35 can be used in the natural white shade or coloured in the mass with lightfast inorganic pigments for the execution of fine shaved or laminated coatings for interior and exterior use.

- Dehumidifying
- Ecological
- Disinfecting
- Restoration
- Breathable
- Resistant
- Recyclable
- Versatile
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- High adhesion
- Quick
- Reversible
- Resistant to pollution
- Green building
- CL 90

Technical Data



PRODUCT TYPE:

Air lime finishing plaster CL 90-S PL
UNI EN 459-1 for indoor and outdoor use

WATER VAPOUR DIFFUSION RESISTANCE COEFFICIENT EN 1015-19:

Sd 0.20 m

EC 2010 LIMIT VALUE OF VOC (cat.A/a) 30 g/l:

Max VOC 10 g/l

PACKAGING:

25 kg bucket

DENSITY:

Average 1680 kg/m³

PALLET:

36 buckets (900 kg)

CONSUMPTION:

3.20 kg/m² approx. with two coats on new subbase

STORAGE:

No expiry date in original packaging
unopened in a dry place away from heat and frost

Application



Application temperature



Resting time



Indoor/outdoor application



Work with plastic/steel spatula



Ready to use



Work with sponge float



Manual mixing



Drying time



Application with plastic/steel float



Protect from atmospheric events

Fields of application

STORICAL TONACHINO 0.35 is specifically designed for the execution of very high quality thick finishing plasters in the field of new construction, renovation of existing heritage and restoration. It can be applied to various types of vertical and horizontal subbases, both internal and external, both new and existing such as: rustic plaster of any type and nature (lime and/or cement based) previously levelled with products from the Rasanti TCS line.

STORICAL TONACHINO 0.75



It is a biocompatible mineral plaster finish in ready-to-use paste form. Composed of a mixture of pure carbonate sands, selected with a continuous grain size range from 0 to 0.75 mm and slaked lime obtained by firing pure limestones in vertical kilns at temperatures below 900° C, classified as CL 90- S PL in conformity with standard UNI EN 459-1.

STORICAL TONACHINO 0.75 can be used in the natural white shade or coloured in the mass with lightfast inorganic pigments for the execution of fine shaved or laminated coatings for indoor and outdoor use.

- Dehumidifying
- Ecological
- Disinfecting
- Restoration
- Breathable
- Resistant
- Recyclable
- Versatile
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- High adhesion
- Quick
- Reversible
- Resistant to pollution
- Green building
- CL 90

Technical Data



PRODUCT TYPE:

Air lime finishing plaster CL 90-S PL
UNI EN 459-1 for indoor and outdoor use

WATER VAPOUR DIFFUSION RESISTANCE COEFFICIENT EN 1015-19:

Sd 0.18 m

EC 2010 LIMIT VALUE OF VOC (cat.A/a) 30 g/l:

Max VOC 10 g/l

PACKAGING:

25 kg bucket

DENSITY:

Average 1760 kg/m³

PALLET:

36 buckets (900 kg)

CONSUMPTION:

3.8 kg/m² approx. with two coats on new subbase

STORAGE:

No expiry date in original packaging
unopened in a dry place away from heat and frost

Application



Application temperature



Resting time



Indoor/outdoor application



Work with plastic/steel spatula



Ready to use



Work with sponge float



Manual mixing



Drying time



Application with plastic/steel float



Protect from atmospheric events

Fields of application

STORICAL TONACHINO 0.75 is specifically designed for the execution of very high quality thick finishing plasters in the field of new construction, renovation of existing heritage and restoration. It can be applied to various types of vertical and horizontal subbases, both internal and external, both new and existing such as: rustic plaster of any type and nature (lime and/or cement based) previously levelled with products from the Rasanti TCS line.

STORICAL TONACHINO 1.1



It is a biocompatible mineral plaster finish in ready-to-use paste form. Composed of a mixture of pure carbonate sands, selected with a continuous grain size range of 0 to 1.1 mm and slaked lime obtained by firing pure limestones in vertical kilns at temperatures below 900° C, classified as CL 90- S PL in conformity with standard UNI EN 459-1.

STORICAL TONACHINO 1.1 can be used in the natural white shade or coloured in the mass with lightfast inorganic pigments for the execution of fine shaved or laminated coatings for indoor and outdoor use.

- Dehumidifying
- Ecological
- Disinfecting
- Restoration
- Breathable
- Resistant
- Recyclable
- Versatile
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- High adhesion
- Quick
- Reversible
- Resistant to pollution
- Green building
- CL 90

Technical Data



PRODUCT TYPE:

Air lime finishing plaster CL 90-S PL
UNI EN 459-1 for indoor and outdoor use

EC 2010 LIMIT VALUE OF VOC (cat.A/a) 30 g/l:

Max VOC 10 g/l

DENSITY:

Average 1800 kg/m³

CONSUMPTION:

4.0 kg/m² approx. with two coats on new subbase

WATER VAPOUR DIFFUSION RESISTANCE COEFFICIENT EN 1015-19:

Sd 0.16 m

PACKAGING:

25 kg bucket

PALLET:

36 buckets (900 kg)

STORAGE:

No expiry date in original packaging
unopened in a dry place away from heat and frost

Application



Application temperature



Resting time



Indoor/outdoor application



Work with plastic/steel spatula



Ready to use



Work with sponge float



Manual mixing



Drying time



Application with plastic/steel float



Protect from atmospheric events

Fields of application

STORICAL TONACHINO 1.1 is specifically designed for the execution of very high quality thick finishing plasters in the field of new construction, renovation of existing heritage and restoration. It can be applied to various types of vertical and horizontal subbases, both internal and external, both new and existing such as: rustic plaster of any type and nature (lime and/or cement based) previously levelled with products from the Rasanti TCS line.

STORICAL TONACHINO NATURALE



It is a biocompatible mineral plaster finish in ready-to-use paste form. Composed of a mixture of chromatically selected and screened sands with a continuous grain size range from 0 to 0.75 mm and, as the sole binder, slaked lime obtained by firing pure limestones in vertical kilns at temperatures below 900° C, classified as CL 90- S PL in compliance with standard UNI EN 459-1. Coloured in the mass with lightfast inorganic pigments for the execution of fine shaved or laminated coatings for indoor and outdoor use.

-
- Dehumidifying
 - Ecological
 - Disinfecting
 - Restoration
 - Breathable
 - Resistant
 - Recyclable
 - Versatile
 - Healthy
 - Antibacterial
 - Anticondensation
 - Anti-mould
 - High adhesion
 - Quick
 - Reversible
 - Resistant to pollution
 - Green building
 - CL 90

Technical Data



PRODUCT TYPE:

Air lime finishing plaster CL 90-S PL
UNI EN 459-1 for indoor and outdoor use

EC 2010 LIMIT VALUE OF VOC (cat.A/a) 30 g/l:

Max. VOC content 10 g/l

DENSITY:

Average 1706 kg/m³

CONSUMPTION:

3.8 kg/m² approx. with two coats on new subbase

**WATER VAPOUR DIFFUSION RESISTANCE
COEFFICIENT EN 1015-19:**

Sd 0.18 m

PACKAGING:

25 kg bucket

PALLET:

36 buckets (900 kg)

STORAGE:

No expiry date in original packaging unopened
in a dry place away from heat and frost



Laminate



Frattazzato



Rigato

Application



Application temperature



Resting time



Indoor/outdoor application



Work with plastic/steel spatula



Ready to use



Work with sponge float



Manual mixing



Drying time



Application with plastic/steel float



Protect from atmospheric events

Fields of application

STORICAL TONACHINO NATURALE is specifically designed for the execution of high quality thick finishing plasters in the field of new construction, renovation of existing heritage and restoration. Easily workable with the techniques traditionally used in the application of smoothing coats. It can be applied to various types of vertical and horizontal subbases, both internal and external, new and existing such as: rustic plaster of any type and nature (lime and/or cement based), gypsum fibre or magnesite panels.



STORICAL AFFRESCO

STORICAL TONACHINO 0.35

STORICAL TONACHINO 0.75

STORICAL TONACHINO 1.1

STORICAL TONACHINO NATURALE



Other colours available in customised swatch or sample colours

STORICAL MARMO OPACO



It is a biocompatible mineral plaster finish in ready-to-use paste form. Composed of a mixture of chromatically selected and screened sands with a continuous grain size range from 0 to 0.75 mm and, as the sole binder, slaked lime obtained by firing pure limestones in vertical kilns at temperatures below 900° C, classified as CL 90- S PL in compliance with standard UNI EN 459-1. Coloured in the mass with lightfast inorganic pigments for the execution of fine shaved or laminated coatings for indoor and outdoor use.

- Dehumidifying
- Ecological
- Disinfecting
- Restoration
- Breathable
- Resistant
- Recyclable
- Versatile
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- High adhesion
- Quick
- Reversible
- Resistant to pollution
- Green building
- CL 90

Technical Data



PRODUCT TYPE:

Air lime finishing plaster CL 90-S PL
UNI EN 459-1 for indoor and outdoor use

EC 2010 LIMIT VALUE OF VOC (cat.A/a) 30 g/l:

Natural Max VOC 20 g/l
White Max VOC 28 g/l

DENSITY:

Average 1,668 kg/m³ (natural)
Average 1,597 kg/m³ (white)

CONSUMPTION:

1.5 kg/m² approx. with two coats on new subbase
plaster finished

WATER VAPOUR DIFFUSION RESISTANCE COEFFICIENT EN 1015-19:

Sd 0.25 m

PACKAGING:

25 kg bucket

PALLET:

36 buckets (900 kg)

STORAGE:

No expiry date in original packaging
unopened in a dry place away from heat and frost



Application



Application temperature



Resting time



Indoor/outdoor application



Work with steel spatula



Ready to use



Drying time



Manual mixing



Protect from atmospheric events



Application with plastic/steel float

Fields of application

STORICAL MARMO OPACO is specifically designed for the execution of very high quality compact levelling compounds in the field of new construction, rehabilitation of existing heritage and restoration. Easily worked with the techniques traditionally used in the application of marbling. It can be applied to various types of vertical and horizontal subbases, both internal and external, both new and existing, such as: rustic plaster of any type and nature lime- and/or cement-based, previously levelled with products from the TCS smoothing plaster line.

STORICAL MARMO LUSTRO



It is a biocompatible mineral plaster finish in ready-to-use paste form. Compound of impalpable marble powder and slaked lime obtained by firing pure limestones in vertical kilns at temperatures below 900° C, classified as CL 90- S PL in conformity with UNI EN 459-1. The product is available in white or coloured in the mass with lightfast inorganic pigments for the execution of fine shaves with special colour, gloss and firmness effects.

- Dehumidifying
- Ecological
- Disinfecting
- Restoration
- Breathable
- Resistant
- Recyclable
- Versatile
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- High adhesion
- Quick
- Reversible
- Resistant to pollution
- Green building
- CL 90

Technical Data



PRODUCT TYPE:

Air lime finishing plaster CL 90-S PL
UNI EN 459-1 for indoor and outdoor use

WATER VAPOUR DIFFUSION RESISTANCE COEFFICIENT EN 1015-19:

Sd 0.25 m

EC 2010 LIMIT VALUE OF VOC (cat.A/a) 30 g/l:

Max VOC 28 g/l

PACKAGING:

25 kg bucket

DENSITY:

Average 1750 kg/m³

PALLET:

36 buckets (900 kg)

CONSUMPTION:

1.2 kg/m² approx. with two coats on new, uncoated subbase

STORAGE:

No expiry date in original packaging unopened in a dry place away from heat and frost



Application



Application temperature



Resting time



Indoor/outdoor application



Work with steel spatula



Ready to use



Drying time



Manual mixing



Protect from atmospheric events



Application with plastic/steel float

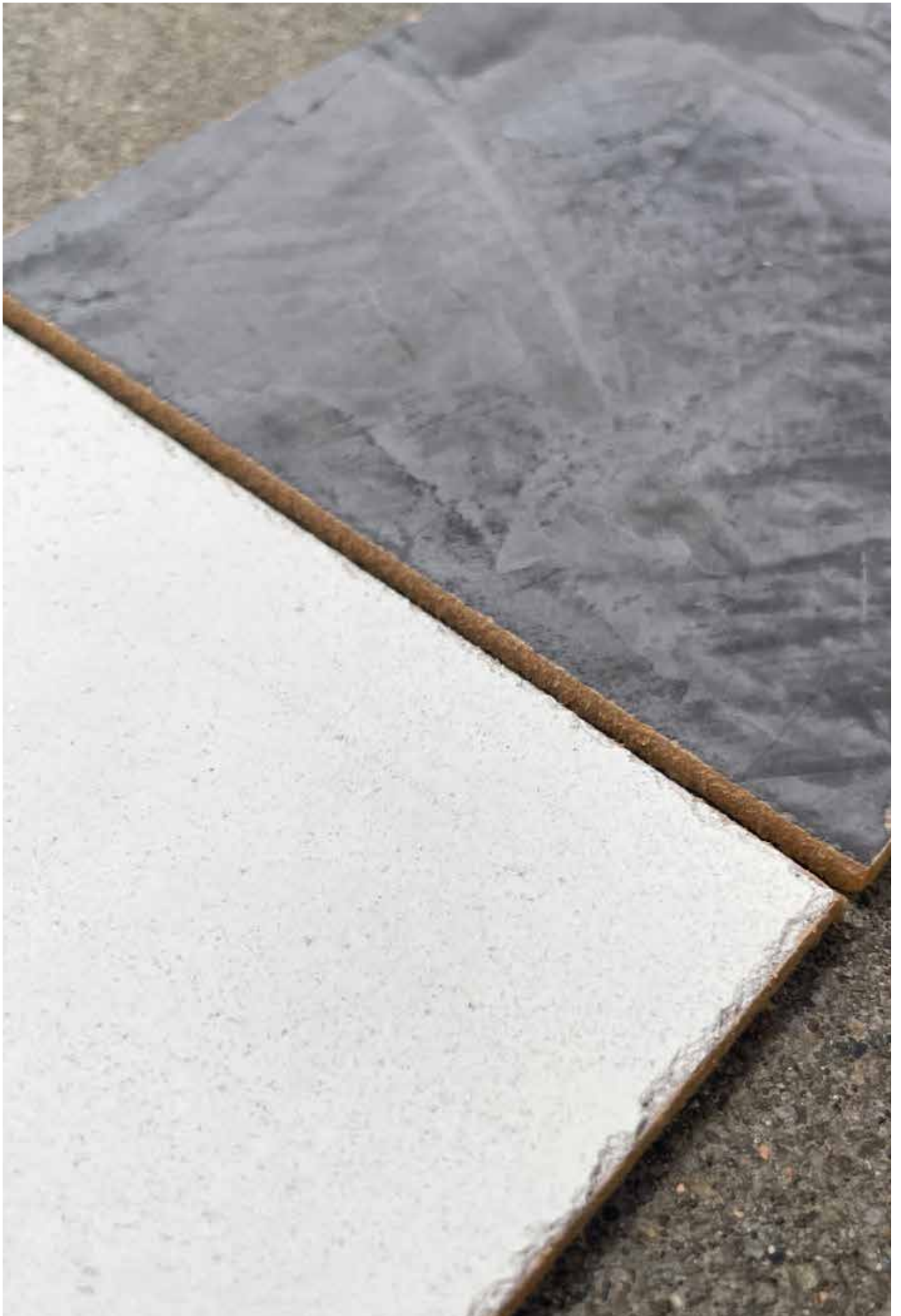
Fields of application

STORICAL MARMO LUSTRO is specifically designed for the execution of smooth, compact and mirror-polished finishes of the highest quality in the field of new construction, renovation of existing heritage and restoration. Easily worked with the techniques traditionally used in the application of marbling. It can be applied to various types of vertical and horizontal subbases, both internal and external, both new and existing such as: rustic plaster of any type and nature (lime and/or cement based) previously levelled with products from the TCS smoothing plaster line.



STORICAL MARMO LUSTRO

STORICAL MARMO OPACO



PASTELLONE

It is a compact, biocompatible, pre-packaged satin-effect smoothing plaster in powder form for indoor and outdoor use that complies with UNI EN 998-1.

PASTELLONE is totally free of cement and compounds belonging to the clinker group. It consists of a mixture of pure silica-calcareous sands, screened in a continuous grain size range from 0 to 0.4 mm.

The only binder included is Pure Natural Hydraulic Lime NHL 5 in accordance with UNI EN 459-1. NHL 5 lime, white in colour, is produced by firing siliceous limestones at temperatures below 1,250° C and reduced to powder by the extinguishing of calcium oxide alone, without the addition of pozzolanic materials or hydraulic binders of any kind.



- Dehumidifying
- Ecological
- Chromium-free
- Restoration
- Breathable
- Resistant
- Cement-free
- Recyclable
- Versatile
- Healthy
- Anticondensation
- Anti-mould
- NHL 5
- Quick
- Reversible
- Easy
- Resistant to pollution
- Green building

Technical Data



PRODUCT TYPE:

General purpose mortar (GP) for interior and exterior use in accordance with EN 998-1

ADHESION EN 1015-12:

0.3 N/mm² FP-B

GRAIN SIZE CURVE EN 1015-1:

0-0.4 mm

PACKAGING:

25 kg bag

APPARENT BULK DENSITY IN A PILE:

Average 1220 kg/m³

PALLET:

48 bags (1,200 kg)

CONSUMPTION:

1,2 kg/m²/mm

STORAGE:

18-24 months in original packaging in a dry place

Application



Application temperature



Resting time



Indoor/outdoor application



Application with plastic/steel float



Mixing with H₂O



Work with steel spatula



Manual mixing



Drying time



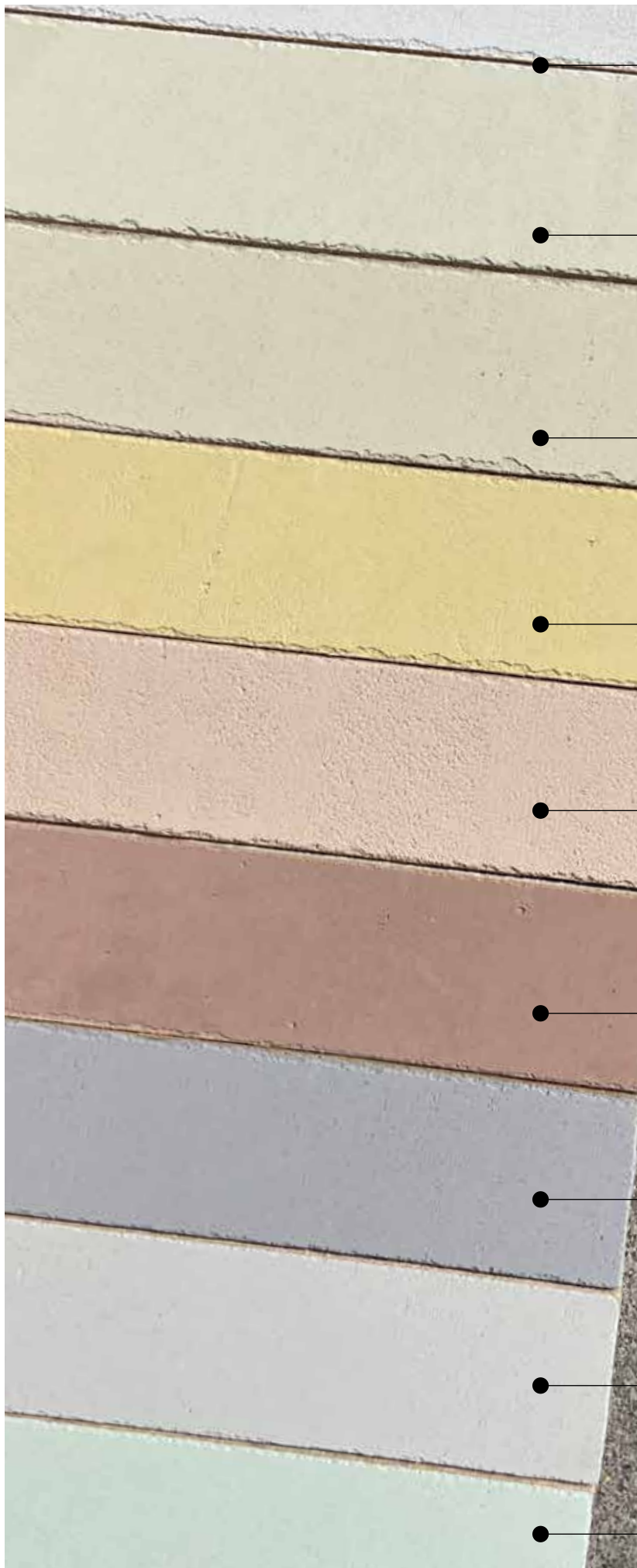
Mechanical mixing



Protect from atmospheric events

Fields of application

PASTELLONE is specifically designed for the creation of smoothed or polished skim coats in the field of new construction, renovation of existing heritage and restoration. It can be applied to various types of vertical and horizontal, internal and external subbases, both new and existing such as: rustic plaster of any type and nature lime and/or cement based. In the case **PASTELLONE** finish is used as a coating for showers or bathrooms, the surface must first be treated with the waterproofing skim coat IDROCALCE following the laying instructions of the SISTEMA and then treated with the protective Akquashield A+B.



SESAME

VANILLA

CARDAMON

SAFFRON

NUTMEG

COCOA

MYRTLE

CHIA

SAGE



3. Anti-mould thermal paints

Thermal anti-mould paints are an excellent natural defence against bacterial proliferation and the formation of surface mould, preventing the formation of harmful condensation, regulating ambient humidity and the carbon dioxide content of rooms.

- THERMICAL DETERGENTE
- THERMICAL PITTURA

THERMICAL DETERGENTE



It is a disinfecting, bactericidal and germicidal detergent. Composed of a mixture of quaternary ammonium salts with a broad spectrum of action. Applied for the disinfection of surfaces affected by mould, fungus, bacteria or bacterial microflora in general.

- Dehumidifying
- Ecological
- Chromium-free
- Radon-free
- Restoration
- Breathable
- Resistant
- Recyclable
- Versatile
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- Quick
- Lightweight
- Easy
- Resistant to pollution
- Green building

Technical Data

PRODUCT TYPE:

Antibacterial disinfectant cleaner for indoors and outdoors

MAX. VOC. CONTENT:

VOC 0

DENSITY:

980 g/l approx

CONSUMPTION:

From 2 to 10 m²/l depending on presence of biodegradable agents

pH IN CONCENTRATION AT 3.6%

7 - 8

PACKAGING:

0.75 - 5 - 10 - 20 l canister

PALLET:

-

STORAGE:

18-24 months in original packaging unopened in a dry place away from heat and frost



Application



Application temperature



Application with roller



Indoor/outdoor application



Application with spray



Ready to use



Drying time



Application with brush



Protect from atmospheric events

Fields of application

THERMICAL DETERGENTE can be applied to various types of vertical and horizontal, internal and external, new or existing subbases such as: rustic plaster of any type made from site-made and/or pre-packed mortar, lime and/or cement-based nature. It performs a bactericidal action on surfaces such as marble, natural stone, glass, metal, textile fibres, floors in general, or can be used as a disinfectant and sanitiser for indoor environments.

THERMICAL PITTURA

It is a biocompatible mineral insulating paint. Composed of silicate microspheres of low specific weight and slaked lime obtained by firing pure limestones in vertical kilns at temperatures below 900° C, classified as CL 90- S PL in conformity with standard UNI EN 459-1. Used in the natural state or coloured in the mass with lightfast inorganic pigments for thermal painting.



- Dehumidifying
- Ecological
- Disinfecting
- Restoration
- Breathable
- Resistant
- Recyclable
- Versatile
- Healthy
- Antibacterial
- Anticondensation
- Anti-mould
- Quick
- Lightweight
- Easy
- Resistant to pollution
- Green building
- CL 90

Technical Data



PRODUCT TYPE:

Insulating mineral paint made of air lime CL 90-S PL UNI EN 459-1 for indoor and outdoor use

EC 2010 LIMIT VALUE OF VOC (cat.A/a) 30 g/l:

Max VOC 10 g/l

DENSITY:

Average 910 kg/m³

CONSUMPTION:

2.5 m²/l approx. with two coats on new plaster-finished subbase

WATER VAPOUR DIFFUSION RESISTANCE

COEFFICIENT EN 1015-19:

Sd 0.050 m

PACKAGING:

White - 14 l bucket

Coloured - 15 l bucket

PALLET:

36 buckets (486 kg max.)

STORAGE:

No expiry date in original packaging unopened in a dry place away from heat and frost



Untreated support

Treated support

Application



Application temperature



Resting time



Indoor/outdoor application



Application with brush



Mixing with H₂O first/
second/third tin coat



Drying time



Manual mixing



Protect from atmospheric events

Fields of application

THERMICAL PITTURA is specifically designed for thermal painting in the field of new construction, renovation of existing heritage and restoration. It can be applied to various types of vertical and horizontal subbases, both internal and external, both new and existing, such as: rustic plaster of any type and nature based on lime and/or cement provided it is absorbent or previously levelled with products from the TCS smoothing plaster line.

4. Silicates

Potassium Silicate has special properties that give the treated surface qualities typical of glassy materials, providing high resistance to weathering, combined with effectiveness against water penetration, while maintaining surface permeability.

- KAPPASIL FONDO
- KAPPASIL RIEMPITIVO
- KAPPASIL PITTURA
- KAPPASIL TONACHINO 0.75
- KAPPASIL TONACHINO 1.1
- KAPPASIL TONACHINO 1.5

KAPPASIL FONDO



It is a biocompatible mineral primer consisting of a modified potassium silicate solution, compliant with DIN 18363. It acts as a regulator of subbase absorption and, in the presence of micro-cracks, restores cohesion. Its use prepares the surface to receive the finishing coat, contributing to its durability and final appearance.

- Dehumidifying
- Ecological
- Disinfecting
- Restoration
- Breathable
- Resistant
- Versatile
- Healthy
- Antibacterial
- Anti-mould
- High adhesion
- Quick
- Reversible
- Easy
- Waterproofing
- Consolidating agent
- Resistant to pollution
- Green building

Technical Data

DIN
18363

PRODUCT TYPE:

Potassium Silicate Mineral Primer
DIN 18363 for indoor and outdoor use

EC 2010 LIMIT VALUE OF VOC (cat.A/a) 30 g/l:
Max VOC 10 g/l

DENSITY:

Average 1080 kg/m³

CONSUMPTION:

approx. 6-8 m²/l one coat on new
plaster-finished subbase

DILUTION

From 20% to 50% depending on absorption
of support

PACKAGING:

10 l or 20 l canister

PALLET:

-

STORAGE:

12 months in the original unopened packaging
in dry place protected from heat and frost

Untreated support

Application



Application temperature



Application with roller



Indoor/outdoor application



Application with brush



Mixing with H₂O in relation to absorption of the support



Drying time



Shake before use



Protect from atmospheric events



Manual mixing

Fields of application

KAPPASIL FONDO is specifically designed for the preparation of poorly cohesive, highly absorbent or particularly inhomogeneous subbases. Carrying out an action that evens out absorption and consolidates micro-cracks, it prepares surfaces to receive the finishing coat. It can be applied on different types of subbases, vertical and horizontal, internal and external, both new and existing such as: rustic plaster of any type and nature lime and/or cement based. Absolutely avoid application on plaster subbases.

Treated support

KAPPASIL RIEMPITIVO



It is a biocompatible mineral primer filler consisting of a mixture of pure carbonate sands and modified potassium silicate, conforming to DIN 18363. It acts as a regulator of subbase absorption and, in the presence of micro-cracks, restores cohesion. Its use prepares the surface to receive the finishing coat, contributing to its durability and final appearance.

KAPPASIL FONDO RIEMPITIVO is available in two grain sizes 0.3 and 0.6.

- Dehumidifying
- Ecological
- Disinfecting
- Restoration
- Breathable
- Resistant
- Versatile
- Healthy
- Antibacterial
- Anti-mould
- High adhesion
- Quick
- Reversible
- Easy
- Waterproofing
- Consolidating agent
- Resistant to pollution
- Green building

Technical Data

DIN
18363

PRODUCT TYPE:

Uniforming mineral filler with potassium silicate DIN 18363 for indoor and outdoor use

RESISTANCE TO AQUEOUS VAPOUR:

Sd 0.26 m

EC 2010 LIMIT VALUE OF VOC (cat.A/a) 30 g/l:

Max. VOC content 10 g/l

PACKAGING:

25 kg bucket

DENSITY:

Average 1625 kg/m³

PALLET:

36 buckets (900 kg)

CONSUMPTION:

0.30 kg/m² approx. with two coats

STORAGE:

12 months in the original unopened packaging in dry place protected from heat and frost

Support

First coat

Second coat

Application



Application temperature



Resting time



Indoor/outdoor application



Application with roller



Mechanical with KAPPASIL FONDO
Depending on subbase absorption



Application with brush



Manual mixing



Drying time



Protect from atmospheric events

Fields of application

KAPPASIL FONDO RIEMPITIVO is specifically designed for the preparation of poorly cohesive, highly absorbent or particularly inhomogeneous subbases. Carrying out an action that evens out absorption and consolidates micro-cracks, it prepares surfaces to receive the finishing coat. It can be applied to various types of vertical and horizontal subbases, interior and exterior, both new and existing, such as: rustic plaster of any type and nature lime- and/or cement-based, previously levelled with products from the TCS smoothing plaster line. Absolutely avoid application on plaster subbases.

KAPPASIL PITTURA



It is a biocompatible mineral paint, consisting of pure carbonaceous flours and a modified potassium silicate solution according to DIN 18363. Coloured in the mass with lightfast inorganic pigments for painting, glazing or priming.

- Dehumidifying
- Ecological
- Disinfecting
- Restoration
- Breathable
- Resistant
- Versatile
- Healthy
- Antibacterial
- Anti-mould
- High adhesion
- Quick
- Reversible
- Easy
- Waterproofing
- Consolidating agent
- Resistant to pollution
- Green building

Technical Data

DIN
18363

PRODUCT TYPE:

Potassium Silicate Mineral Primer DIN 18363 for indoors and outdoors

RESISTANCE TO VAPOUR DIFFUSION SD:

Sd 0.21 m

EC 2010 LIMIT VALUE OF VOC (cat.A/a) 30 g/l:

Max VOC 28 g/l

PACKAGING:

15 l bucket

DENSITY:

Average 1490 kg/m³

PALLET:

36 buckets (756 kg max.)

CONSUMPTION:

3.5 m²/l approx. with two coats on new plaster-finished subbase

STORAGE:

12 months in original unopened packaging in a dry place protected from heat and frost

Application



Application temperature



Application with roller



Indoor/outdoor application



Application with brush



Mechanical with KAPPASIL FONDO
Depending on subbase absorption



Drying time



Manual mixing



Protect from atmospheric events

Fields of application

KAPPASIL PITTURA is specifically designed for painting, glazing and priming in the field of new construction, renovation of existing heritage and restoration. It can be applied to various types of vertical and horizontal subbases, both internal and external, both new and existing, such as: rustic plaster of any type and nature lime- and/or cement-based, previously levelled with products from the TCS smoothing plaster line. Absolutely avoid application on plaster subbases.

KAPPASIL TONACHINO 0.75

It is a biocompatible mineral plaster. Composed of a mixture of pure carbonate sands, selected with a continuous grain size range between 0 and 0.75 mm and modified potassium silicate, conforming to DIN 18363. Coloured in the mass with natural, lightfast inorganic pigments for the execution of fine shaved coatings for indoor and outdoor use.



- Dehumidifying
- Ecological
- Disinfecting
- Restoration
- Breathable
- Resistant
- Versatile
- Healthy
- Antibacterial
- Anti-mould
- High adhesion
- Quick
- Reversible
- Easy
- Waterproofing
- Consolidating agent
- Resistant to pollution
- Green building

Technical Data

DIN
18363

PRODUCT TYPE:

Potassium Silicate Mineral Plaster
DIN 18363 for indoor and outdoor use

EC 2010 LIMIT VALUE OF VOC (cat.A/a) 30 g/l:

Max VOC 20 g/l

DENSITY:

Average 1840 kg/m³

CONSUMPTION:

1.8 kg/m² approx. one coat on new subbase

RESISTANCE TO AQUEOUS VAPOUR:

Sd 0.21 m

PACKAGING:

25 kg bucket

PALLET:

36 buckets (900 kg)

STORAGE:

12 months in original unopened packaging
in a dry place protected from heat and frost

Application



Application temperature



Resting time



Indoor/outdoor application



Work with plastic/steel spatula



Ready to use



Work with sponge float



Manual mixing



Drying time



Application with plastic/steel float



Protect from atmospheric events

Fields of application

KAPPASIL TONACHINO 0.75 is specifically designed for the execution of very high quality thick finishing plasters in the field of new construction, renovation of existing heritage and restoration. It can be applied to various types of vertical and horizontal subbases, both internal and external, both new and existing such as: rustic plaster of any type and nature (lime and/or cement based) previously levelled with products from the TCS smoothing plaster line. Absolutely avoid application on plaster subbases.

KAPPASIL TONACHINO 1.1

It is a biocompatible mineral plaster. Composed of a mixture of pure carbonate sands, selected with a continuous grain size range between 0 and 1.1 mm and modified potassium silicate, conforming to DIN 18363. Coloured in the mass with natural, lightfast inorganic pigments for the execution of fine shaved coatings for indoor and outdoor use.



- Dehumidifying
- Ecological
- Disinfecting
- Restoration
- Breathable
- Resistant
- Versatile
- Healthy
- Antibacterial
- Anti-mould
- High adhesion
- Quick
- Reversible
- Easy
- Waterproofing
- Consolidating agent
- Resistant to pollution
- Green building

Technical Data

DIN
18363

PRODUCT TYPE:

Potassium Silicate Mineral Plaster
DIN 18363 for indoor and outdoor use

RESISTANCE TO AQUEOUS VAPOUR:

0.21 m

EC 2010 LIMIT VALUE OF VOC (cat.A/a) 30 g/l:

Max. VOC content 20 g/l

PACKAGING:

25 kg bucket

DENSITY:

Average 1820 kg/m³

PALLET:

36 buckets (900 kg)

CONSUMPTION:

2.2 kg/m² approx. one coat on new subbase

STORAGE:

12 months in original unopened packaging
in a dry place protected from heat and frost



Application



Application temperature



Resting time



Indoor/outdoor application



Work with plastic/steel spatula



Ready to use



Work with sponge float



Manual mixing



Drying time



Application with plastic/steel float



Protect from atmospheric events

Fields of application

KAPPASIL TONACHINO 1.1 is specifically designed for the execution of very high quality thick finishing plasters in the field of new construction, renovation of existing heritage and restoration. It can be applied to various types of vertical and horizontal subbases, both internal and external, both new and existing such as: rustic plaster of any type and nature (lime and/or cement based) previously levelled with products from the TCS smoothing plaster line. Absolutely avoid application on plaster subbases.

KAPPASIL TONACHINO 1.5

It is a biocompatible mineral plaster. Composed of a mixture of pure carbonate sands, selected with a continuous grain size range between 0 and 1.5 mm and modified potassium silicate, conforming to DIN 18363. Coloured in the mass with natural, lightfast inorganic pigments for the execution of fine shaved coatings for indoor and outdoor use



-
- Dehumidifying
 - Ecological
 - Disinfecting
 - Restoration
 - Breathable
 - Resistant
 - Versatile
 - Healthy
 - Antibacterial
 - Anti-mould
 - High adhesion
 - Quick
 - Reversible
 - Easy
 - Waterproofing
 - Consolidating agent
 - Resistant to pollution
 - Green building

Technical Data

DIN
18363

PRODUCT TYPE:

Potassium Silicate Mineral Plaster
DIN 18363 for indoor and outdoor use

EC 2010 LIMIT VALUE OF VOC (cat.A/a) 30 g/l:

Max. VOC content 28 g/l

DENSITY:

Average 1800 kg/m³

CONSUMPTION:

2.2 kg/m² approx. one coat on new subbase

RESISTANCE TO VAPOUR DIFFUSION SD:

0.21 m

PACKAGING:

25 kg bucket

PALLET:

36 buckets (900 kg)

STORAGE:

12 months in original unopened packaging
in a dry place protected from heat and frost



Application



Application temperature



Resting time



Indoor/outdoor application



Work with plastic/steel spatula



Ready to use



Work with sponge float



Manual mixing



Drying time



Application with plastic/steel float



Protect from atmospheric events

Fields of application

KAPPASIL TONACHINO 1.5 is specifically designed for the execution of very high quality thick finishing plasters in the field of new construction, renovation of existing heritage and restoration. It can be applied to various types of vertical and horizontal subbases, both internal and external, both new and existing, such as: rustic plaster of any type and nature lime- and/or cement-based, previously levelled with products from the TCS smoothing plaster line. Absolutely avoid application on plaster subbases.

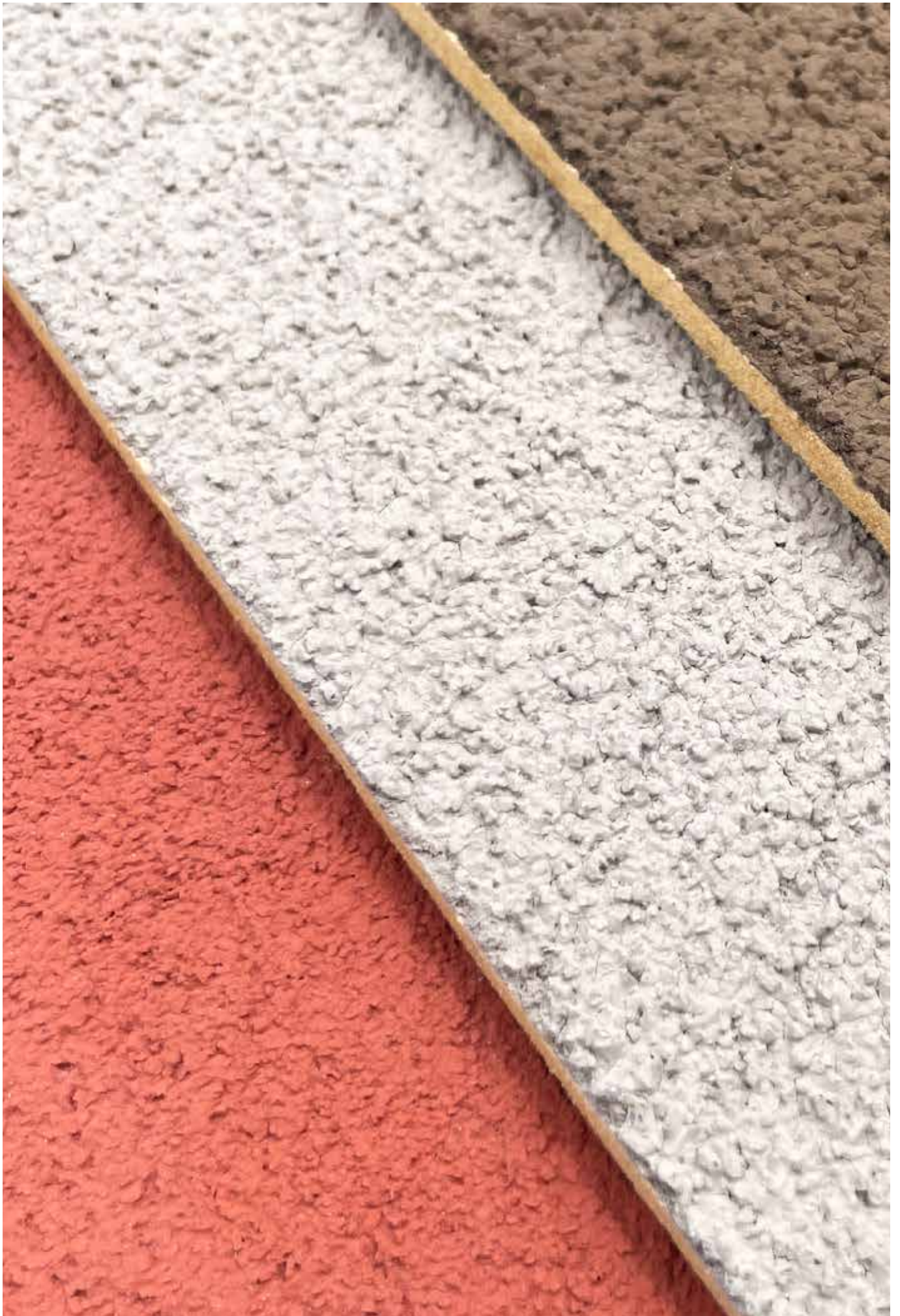
KAPPASIL TONACHINO 1.5

KAPPASIL TONACHINO 1.1

KAPPASIL TONACHINO 0.75

KAPPASIL PITTURA





5. Protectors

TCS protectors are the natural complement to give surfaces treated with lime finishes greater protection and resistance to abrasion.

- AKQUASHIELD
- ANTICA CERA '500

AKQUASHIELD

AKQUASHIELD B

It is a water-based, quick-drying satin-finish protective coating formulated for protecting floors or walls treated with PASTELLONE finish. Its natural, totally odourless composition makes it the natural complement to the LIME carried out with PASTELLONE or the range LE FINITURE of TCS.



-
- Ecological
 - Chromium-free
 - Radon-free
 - Restoration
 - Breathable
 - Resistant
 - Versatile
 - Recyclable
 - Healthy
 - High adhesion
 - Quick
 - Lightweight
 - Reversible
 - Easy
 - Consolidating agent
 - Green building
 - Resistant to pollution
 - Waterproofing

Technical Data

PRODUCT TYPE:

Water-based satin-finish protective coating for interior and exterior use

EC 2010 LIMIT VALUE OF VOC (cat.A/i) 140 g/l:
Max VOC 100 g/l

DENSITY:
1040 kg/m³

CONSUMPTION PER COAT:
7-8 m²/l per coat

OVERAPPLICATION (at 20° C, relative humidity 60%):

Max.6/8h non-catalysed
Min6/8h if catalysed

PACKAGING:

2.5 l can - 10 l bucket

PALLET:

-

STORAGE:

12 months in the original packaging in a dry place

Untreated support

Application



Application temperature



Application with brush



Indoor application



Application with roller



Mixing with H₂O
5%



Application with airless tracer



Manual mixing



Drying time



Protect from atmospheric events

Fields of application

AKQUASHIELD must be used as a consolidating protective treatment of all absorbent, natural LIME such as PASTELLONE, STORICAL MARMO OPACO-LUSTRO, INTOCIVILE 0.0, or on all those modern concrete or wood flooring surfaces. The transparency of **AKQUASHIELD** does not alter the natural colour of the subbase, maintaining the final colour but enhancing the processing and textural appearance of the subbase.

Possible catalysing with the addition of comp B.

Treated support

ANTICA CERA 500

It is a totally natural, biocompatible, water-based paste wax, composed only of pure Beeswax and Marseille soap, totally free of turpentine and petrochemical-derived substances.



-
- Ecological
 - Restoration
 - Breathable
 - Resistant
 - Versatile
 - Recyclable
 - Healthy
 - Antibacterial
 - Anticondensation
 - Anti-mould
 - High adhesion
 - Quick
 - Lightweight
 - Reversible
 - Easy
 - Green building
 - Resistant to pollution
 - Waterproofing

Technical Data

PRODUCT TYPE:

Natural protective wax for lime putties for indoors

EC 2010 LIMIT VALUE OF VOC (cat.A/a) 30 g/l:

Max VOC 5 g/l

DENSITY:

980 kg/m³

CONSUMPTION:

5m²/l approx

DRY RESIDUE:

105° C - 11.0% +/-2%

PACKAGING:

2.5 l tin

PALLET:

-

STORAGE:

12 months in original unopened packaging in a dry place protected from heat and frost

Untreated support

Application



Application temperature



Application with brush



Indoor application



Application with roller



Ready to use



Application with wool cloth



Manual mixing



Drying time



Protect from atmospheric events

Fields of application

ANTICA CERA '500 can be used for protection and maintenance on all absorbent subbases, such as lime finishes, shaved or polished marmorines, Pastellone, Tonachini with hydraulic or air lime, natural stone floors, terracotta, wood or unpolished marble. The total transparency of **ANTICA CERA '500** does not alter the natural colour of the subbase, leaving the final colour unaltered.

Treated support

Accessories

-
1. Rotors/Stators
 2. TCS Bit
-

ROTORS/STATORS

PRODUCT TYPE:
Stator rotor D 5-2.5 TWISTER

GRANULOMETRY
3 mm

CAPACITY:
400 rpm 22 l

CAPACITY:
200 rpm 11 l

PRESSURE:
25 bar max

PACKAGING:
1 rotor - 1 stator

STORAGE:
In a dry place



PRODUCT TYPE:
Stator rotor D 6-3 TWISTER

GRANULOMETRY
3 mm

CAPACITY:
400 rpm/min 20 l

CAPACITY:
200 rpm/min 10 l

PRESSURE:
30 bar max

PACKAGING:
1 rotor - 1 stator

STORAGE:
In a dry place



PRODUCT TYPE:
Stator rotor D 8-1.5 TWISTER

GRANULOMETRY
3 mm

CAPACITY:
400 rpm/min 35 l

CAPACITY:
200 rpm/min 15 l

PRESSURE:
15 bar max

PACKAGING:
1 rotor - 1 stator

STORAGE:
In a dry place



TCS BIT

PRODUCT TYPE:
SDS PLUS shank drill bits

DIAMETER:
ø6 ø8 ø10

LENGTH:
ø6: 1000 mm
ø8: 1,000/1,500 mm
ø10: 1,000/1,500/1,750 mm

PACKAGING:
1 Piece

STORAGE:
In a dry place



NOTES

A series of horizontal dashed lines for writing notes.



The images and their colours, renditions and indications in the catalogue are purely indicative and do not constitute an absolute reference for correspondence, and are provided for the purpose of better understanding the application of the products or systems. Please always refer to our website for technical data sheets. For further information and practical product demonstrations please consult our technical service. For goods supplied by TCS, a technical data sheet, a safety data sheet and the relevant certifications are always available. The company reserves the right to make any changes it deems necessary at any time and without prior notice. Therefore, check that the documents in your possession are always up to date.