

sil•proof 5060 nano

**water-repelling
nano-emulsion
for the protection
of absorbent surfaces**

- Nanotechnology product
- It protects cement mortars and natural stones from water ingress and pollutants
- Great durability over time
- It doesn't form film on the surfaces - It doesn't affect colours
- It doesn't release harmful odors



SIL•PROOF 5060 NANO

water-repelling nano-emulsion for the protection of absorbent surfaces

DESCRIPTION

Ready-to-use, aqueous emulsion of nano-molecular structure with excellent penetrating properties and UV-resistance for the hydrophobic impregnation of porous surfaces indoors and outdoors.

It provides the surfaces with a strong and exceptionally durable hydrophobic profile without leaving marks or stains and without affecting their colour and water-vapour transpiration capability. It protects the surfaces from moisture ingress, eliminates efflorescence and increases their resistance to frost.

Classified as hydrophobic impregnation product (H) for the protection of concrete structures according to European standard EN 1504-2.

APPLICATIONS

Used in order to provide water repellency and protection against moisture penetration on natural and artificial stones (marble, stone, granite).

Also on renders, exposed concrete, AAC blocks, roof tiles, tile grouts, decorative bricks, etc.

Ideal for the protection of the decorative mortars **SD 60 RETRO** and **FC 1200**, as well as the microcement coatings **SD 70 DÉCOR**, **SD 80 DÉCOR•FLEX** and **SD 90 DÉCOR•MICRO FLEX**.

Ideal for indoor applications where solvent smells are undesirable.

PROPERTIES / ADVANTAGES

- Nanotechnology product with excellent ability to penetrate porous surfaces.
- Ideal for indoor applications where solvent smells are undesirable.
- Long duration of protection.
- It allows water-vapour permeability of surfaces.
- It doesn't affect the colour of the materials and doesn't form film on the surfaces.
- It protects against the appearance of scale and the effects of frost as the surfaces do not absorb rainwater.

- It protects surfaces from dirt deposition.
- It protects exposed surfaces in coastal areas as it reduces chloride penetration.

HARMONIZED STANDARDS / REGULATIONS

- **EN 1504-2:2004:** Products and systems for the protection and repair of concrete structures - Hydrophobic impregnation (H). It fully complies with the requirements of the standard.
- **Regulation (EC) No. 305/2011:** CE marked product with Declaration of Performance (DoP): SP5060/CPR-7-13/089/04-2021.

APPLICATION INSTRUCTIONS

- The substrate must be clean, dry, free of dust, grease, construction residues or other types of contamination.
- **SIL•PROOF 5060 NANO** is applied by spraying, with a brush or a roller, in two or more layers.
- Consequent layers should be applied on the same day, after the previous layer has been absorbed.
- The amount required for the complete impregnation of a surface and the effectiveness of the impregnation should first be checked by testing a small portion of the surface.
- Any excess material that cannot be absorbed by the surface should be cleaned with a dry and clean cloth.
- For best results, it should not be applied to surfaces with moisture or stagnant water.
- The hydrophobicity of the surfaces is developed immediately after 24-48 hours. However, the full effect appears after about 10 days.

RECOMMENDATIONS

- Temperature during application should be between +5°C and +35°C.
- The product is ready-to-use and undiluted.
- Keep packages sealed.
- Mix the product well before use.

TECHNICAL CHARACTERISTICS

PRODUCT CHARACTERISTICS

Appearance	liquid
Colour	clear - colourless
Chemical composition	silane/siloxane
Density	1.05 ±0.05 kg/l

APPLICATION CHARACTERISTICS (+23°C / 50% R.H.)

Application temperature	minimum: +5°C / maximum: +35°C
Drying time	30-60 minutes

PERFORMANCE CHARACTERISTICS

Penetration depth	class II: ≥ 10 mm
Water absorption and resistance to alkali	absorption ratio < 7.5% compared to the untreated specimen absorption ratio < 10% after immersion in alkali solution
Drying rate for hydrophobic impregnation	class I: > 30%
Dangerous substances	complies with section 5.3 (see MSDS)

Note: Measurements were conducted in a laboratory environment. The varying conditions present on-site (temperature, humidity, ventilation, substrate absorbency) may affect the material's properties.

SAFETY PRECAUTIONS

- **SIL•PROOF 5060 NANO** is not classified as dangerous mixture according to European Regulation (EC) No 1907/2006.
- It is recommended to always wear appropriate protective equipment for eyes and skin (protective clothing, gloves and goggles).
- Refer to the product's Safety Data Sheet for further information on safe handling and precautions.
- **PRODUCT FOR PROFESSIONAL USE ONLY.**

CONSUMPTION

Depending on the surface's absorbency. Indicative consumption values are presented in the table below:

MATERIAL	CONSUMPTION (lt/m ²)
Concrete	0.25-0.50
Plaster	0.50-1.00
Brick	0.40-2.00
Aerated concrete	0.50-2.00
Cement board	0.10-0.30
Natural stone	0.05-2.50

PACKAGING - STORAGE

Available in:

- 1kg, 5kg and 20kg plastic containers.

Storage: 18 months from production date, if stored in original, sealed container, protected from direct sunlight and frost.

LEGAL NOTICE

The technical characteristics and recommendations for the use and application of the **FINOMIX** range of products are based on the knowledge and experience of the company. The above information shall be considered merely indicative and subject to confirmation after long-term practical application. For this reason, anyone who intends to use the product must ensure that it is suitable for the envisaged application. Since the specific site conditions during the applications are beyond the control of our company, the user alone is fully responsible for any consequences deriving from the use of the product. **FINOBETON S.A. (FINOMIX)** has the right to modify the properties of its products without prior notice. This release voids any previous publications issued for this technical specifications sheet.

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