

Silicone-based solution without solvents for waterproofing

Description

PS-21 is a ready-to-use, silicone-based solution without solvents, for the waterproofing of inorganic substrates.

- It provides excellent water-repellence.
- It is vapor permeable, permitting breathing of the structure.
- Does not form a skin on the application surface and does not alter its appearance.
- Protects the surface from salt stains, effects of frost or filth, because it prevents absorption of rain water or dirt.
- It is suitable for very alkaline substrates.
- It is quickly effective after application.
- Protects from carbonation
- It is suitable for slightly wet substrates.

Certified with the CE marking as a hydrophobic impregnation, according to EN 1504-2.

Fields of application

PS-21 is used for the protection of horizontal or vertical surfaces against rain effect and for the waterproofing of tile joints. It is also suitable for the waterproofing of natural stone, plaster, exposed bricks, roof tiles, exposed concrete etc. It can also be applied on unpolished marble surfaces to protect them from water and dirt absorption. It can be used even on slightly wet substrates.

Technical data

Color:	transparent when dry
Density:	0,99 kg/l
Depth of penetration:	Class I <10 mm

Water absorption and resistance to alkali: (EN 13580)

Absorption ratio <7,5% compared with the untreated specimen,

Absorption ratio <10% after immersion in alkali solution

Drying rate coefficient: Class II >10% (EN 13579)

Directions for use

1. Substrate

Surfaces where PS-21 is going to be applied should have open pores and be clean.

2. Application

a) Horizontal surfaces

In case of horizontal absorptive surfaces (absorbent tiles, mosaic, etc.) the application can be done with a squeegee. The material is left to act for 5 minutes, next the excessive material is removed using a squeegee and the surface is cleaned with a slightly wet cloth. The final cleaning of the surface can be done after 6 hours.

Waterproofing is more effective on surfaces with inclination and without standing water.

b) Vertical surfaces

In vertical surfaces PS-21 is applied by spray, brush or roller. One or two layers are usually sufficient. The second layer follows while the first is still fresh. Better impregnation is succeeded in dry or slightly wet absorbent substrates.

c) Waterproofing of tile joints

The application of PS-21 for waterproofing tile joints can be done by brush or squeegee.

d) Impregnation

PS-21 can be used also for the impregnation of building materials, like tiles, bricks etc., diluted with water in proportions of 1:1 to 1:4.

Consumption

0,2-0,4 l/m², depending on the absorptivity of the substrate.

Packaging

PS-21 is supplied in plastic containers of 1 l, 5 l and 20 l.

Shelf-life - Storage

12 months from production date if stored in original, unopened packaging, in temperature between +5°C and +35°C. Protect from direct sun exposure and frost.



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EN 1504-2

surface protection products

hydrophobic impregnation

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Absorption ratio <7,5% compared with the untreated specimen,

Absorption ratio <10% after immersion in alkali solution

Drying rate: Class II > 10%

Dangerous substances comply with 5.4

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BUILDING CHEMICALS AND MORTARS

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