

# PS-21

## Silane/siloxane-based water-repellent impregnation, solvent-free

### Description

PS-21 is a ready-to-use, water-based impregnation containing a mixture of silanes and siloxanes, used for hydrophobic treatment of inorganic substrates.

- It provides excellent water-repellency.
- It is water vapor-permeable, allowing the structure to breathe.
- It does not form a skin on the application surface or alter its appearance.
- It protects the surface from salt stains (efflorescence), improves resistance to frost damage, and reduces dirt pick-up by preventing absorption of rainwater.
- It is suitable for very alkaline substrates.
- It is quickly effective after application.
- It protects from carbonation
- It is suitable for slightly wet substrates.

Certified according to EN 1504-2 and classified as a hydrophobic impregnation. CE marked.

### Fields of application

PS-21 is used for protection of horizontal or vertical surfaces against rain and for waterproofing of tile joints. It is also suitable for hydrophobic treatment of a variety of substrates including natural stone, plaster, exposed bricks, roof tiles, exposed concrete, etc. It can also be applied to unpolished marble to reduce dirt pick-up by preventing absorption of rainwater. It can be used even on damp substrates.

### Technical data

Color:	transparent off-white, transparent once 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 to the untreated specimen Absorption ratio <10% after immersion in alkali solution

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

Cleaning of tools:

Tools are cleaned with water immediately after use.

### Directions for use

#### 1. Substrate

The surface to be treated must be clean and have an open capillary system.

#### 2. Application

##### a) Horizontal surfaces

In case of horizontal absorbent surfaces (absorbent tiles, terrazzo, etc.), the application is carried out with a squeegee.

The material is left to act for 5 minutes, next the excess material is removed using a squeegee and the surface is cleaned with a damp cloth. The final cleaning of the surface can be done after 6 hours. Hydrophobic treatment is more effective on surfaces with adequate slope without standing water.

##### b) Vertical surfaces

For vertical surfaces, PS-21 is applied by spray, brush or roller. One or two layers are usually sufficient. The second layer is applied while the first is still fresh. Better impregnation is achieved on dry or damp 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 a ratio of 1:1 to 1:4.

### Consumption

0.2-0.4 l/m<sup>2</sup>, depending on substrate absorbency.

### Packaging

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

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## Shelf life – Storage

24 months from production date if stored in original, unopened packaging, in temperature between +5°C and +35°C, protected from direct sunlight and frost.



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EN 1504-2

### DoP No. PS-21/1411-02

surface protection products  
hydrophobic impregnation

Depth of penetration: Class I < 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: Class II > 10%

Dangerous substances comply with 5.3

### ISOMAT S.A.

BUILDING CHEMICALS AND MORTARS

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