

# Penetra S SB 921

Construction Chemicals > Surface Protectors and Polishes > Silane-Siloxane Based



Penetra/S Sb 921 is a silane-siloxane-based, solvent-based, UV-resistant, hydrophobic, transparent impregnation material that imparts water-repellent properties to the surface it is applied to.

## ■ Fields of Application

- Exterior cladding, Vertical applications
- On low absorbent surfaces such as concrete, marble, granite, slate
- On absorbent surfaces such as brick, colored briquette, aerated concrete, travertine
- Used on all cement-based surfaces for the protection of historical artifacts against atmospheric effects
- Not suitable for gypsum based applications

## ■ Advantages

- It penetrates deeply into the substrate due to its low molecular weight
- Provides protection without altering the appearance of exterior cladding or forming a film layer
- Reduces negative effects of the atmosphere by making the surfaces of building components impermeable
- Resistant to alkalis and UV rays
- Provides resistance to freeze-thaw effects due to its reduced water absorption on applied surfaces
- Vapor permeable

## 1 Surface Preparation

Before application, all layers on the surface that may reduce adhesion strength, such as dust, dirt, oil, and loose particles, should be removed. Factors like lime, mortar, moss, and mold should be cleaned from surfaces where the application will take place. Penetra/S Sb 921 is ready to use and should not be mixed with any other materials. It should not be diluted with water under any circumstances. For initial coat applications, Penetra/S Sb 921 should be applied to dry surfaces using a suitable roller, brush, or sprayer for maximum penetration. Ensure there is no visible wetness on the surfaces. The application should be done wet-on-wet, and the first coat should not be allowed to dry before applying the second coat. Since the product is solvent-based, it dries quickly, so for two-coat applications, apply the coats in short areas. Ensure that windows and other non-absorbent surfaces are properly covered before application. Due to the rapid drying of the product, it is extremely difficult to remove from surfaces if it spills a few hours later. If necessary, use a solvent to clean any splashes on window panes and frames within a few minutes.

## 2 Packaging

3 / 15 lt metal tin

## 3 Consumption

First coat: 80 - 100 g/m<sup>2</sup>

Second coat: 50 - 70 g/m<sup>2</sup>

(Consumption may vary depending on surface porosity and concrete quality. During the second coat application, the first coat should not be allowed to dry.)

## 4 Precautions

- Fire hazards are associated with storage and application areas. Adequate ventilation is extremely important for indoor applications. Since the product contains solvents, work should be conducted carefully. Both storage and application areas should be ventilated
- During application, appropriate work clothing, protective gloves, goggles, and masks should be used in accordance with occupational health and safety regulations. Avoid contact with skin and eyes during storage and application; if contact occurs, wash immediately with plenty of water and soap. In case of ingestion, seek medical attention urgently
- Food and drink should not be brought into application areas

## 5 Storage Conditions and Shelf Life

- In unopened packaging, the product is valid for 12 months.
- The product should be protected from direct sunlight and stored at 5-35°C.
- The product should be protected from freezing.
- After use, the container should be tightly closed.
- The product should not be mixed with other chemicals.



## TECHNICAL DATAS

Resin Type	Silane/Siloxane
Color	Yellowish liquid, slightly darker when dry
Solvent	Solvent
Odor	Mild solvent
Application Surface	Concrete surfaces, natural and artificial stone coverings
Density	0.94 kg/L
UV Resistance	Yes
pH	7.5 – 8.0
Two-Coat Application	Wet-on-wet
Full Cure Time	12 hours (24°C room temperature)
Active Substance	10%
Flash Point	35°C

### 6 Note

The information provided on this product data sheet is given in good faith based on current knowledge and experience. If you are not satisfied after a small-scale surface test, please contact our technical service department immediately. The information on this page pertains only to the specified material and may not apply to combinations with other materials or in any other processes involving such materials. This information is accurate as of the specified date, to the best of the company's knowledge. As the conditions of use are beyond our control, all recommendations are made without any guarantee or warranty as to accuracy, reliability, or completeness. It is the user's responsibility to ensure the suitability and application of this information for their own use. The manufacturer's responsibility is limited to replacing products proven to be defective.

### 7 Safety and Health Warnings

- Protective goggles, clothing and gloves should be worn. Avoid contact with skin, eyes and clothing. In case of contact, wash with plenty of water and seek medical advice immediately. Prevent the product from spreading into the environment
- Do not eat or drink during use, do not smoke
- All packaging and containers should be carefully packed to minimize spills
- Containers should be kept tightly sealed when not in use
- Keep away from heat, sparks, flames, hot surfaces
- Broken packages should not be transported without protective equipment.
- Empty containers must not be reused
- The product must be stored in descriptively labeled containers
- Keep out of the reach of children. Keep away from food, drinks and animal feed
- Keep away from oxidizing agents, heat and flames
- Should only be stored in the original container
- Containers should be kept tightly closed and upright in a cool and well-ventilated place