



Repelsil® S

waterproofing

Technical Data Sheet

Repelsil® S is a waterproofing based in a mix of silane and siloxane, that provides high water repellency. It penetrates inside the open pores, producing water proofing, and eliminates its absorption by capillarity in porous material; helps to keep the substrates in optimal conditions because it prevents cracking stains, fungus and mold.

Technical Information

PROPERTIES	VALUE
Chemical base	Silane/siloxane
Aspect	Liquid
Viscosity	1-3 CPS (23°)
Density	0.750-0.820 g/ml
Application temperature	41 °F to 86 °F
Working temperature	-4 °F to 158 °F

Information obtained from laboratory tests.

Uses

Repelsil® S has been mainly developed for:

- Repel water and as a protective treatment of materials exposed to absorbent materials.
- Water repellent impregnation (hydrophobic treatment) for absorbent materials as concrete.
- It is recommended in facades and walls with stones, bricks, concrete, fiber cement, and prefabricated elements with mineral base.
- Prevent fungus formation, stains or mosses.
- It could be use in historical monuments.

Advantages

- It does not block the pores of the material, but covers its walls with very thin layers that prevent the wetting and capillary absorption of water.
- Keeps clay tiles, partition walls as new apparent and natural quarries.
- Prevents the formation of fungus, stains or mosses.
- Prevents cracking due to expansion or contraction.
- Increased durability by protecting surfaces against weathering deterioration.
- Has a high resistance to alkalis.
- Easy application by brush, roller or spray.

Application

The surfaces where will be applied **Repelsil® S** shall be firm, dry, clean free of dust, grease, oil, water and old sealant. In case there are cracks, defective joints and peeling parts, they shall be repaired first. Before applying the product, it shall be slightly mixed to guarantee the uniformity of the emulsion. The product shall be applied with brush or by spraying. For better results, apply several layers, until it is saturated. The saturation could be considered achieved when the material strain freely. Allow a drying of minimum 2 hours, before contact with water.





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Recommendations

- Perform compatibility tests to the substrates where will be applied **Repelsil® S**.
- Apply with sprayer for less waste.
- It is recommended to make tests to verify that the appearance of the substrate does not change, or it is the desired.

Maintenance

- It is recommended to apply a layer of **Repelsil® S** each 6 months.

Precautions

- The product could cause eyes and skin irritation with prolonged contact. In case of discomfort, wash thoroughly with water for 15 minutes and seek medical advice immediately.
- Keep out of the reach of children.
- The material contents solvent prevent contact with flame.
- Apply in ventilated places.

Limitations

- It is not recommended constant water or solvent immersion.
- It is not recommended to apply on horizontal surfaces.

Presentation

Sizes and Colors

- Transparent



Performance

(Two layers)

Material	Unit	Value
Concrete	m ² /l	4
Gypsum	m ² /l	2
Bricks	m ² /l	2
Cement	m ² /l	2
Natural stone	m ² /l	2.5
Cement panel	m ² /l	4.5

Approximated yield. It could vary depending on the finishing and porosity.

Shelf Life

12 months in cold and dry warehouse in its original packaging at temperatures of 21 °C (70 °F) and 50% relative humidity.

Technical Support

Productos Pennsylvania's Technical Support is at your service, assisting you with:

Guidance in how to apply this or any of our products.

Blueprint reviews.

Joint dimension calculus.

Compatibility and adhesion testing of our sealants with different materials.

NOTE:

Productos Pennsylvania S.A de C.V. provides technical assistance when required. Please contact our Technical Department regarding use and application of this product. It is the user's responsibility to test the product and its uses before application.

Productos Pennsylvania, S.A. de C.V.

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the caulking expert

