

TECHNICAL DATA SHEET

PENOSIL WaterSil 602

Water based impregnation agent containing silane/ siloxane. By penetrating deeply into the pores of the stone and cementitious surfaces it forms a surface that stays water-repellent.

Main benefits

- Water repellent surfaces for 5-10 years
- Does not reduce the breathability of the treated material
- Increases material thermal resistance
- Suitability with many porous materials

Fields of application

- An impregnation agent for natural stone, brick, concrete and plastered surfaces.
- Protects surface from frost damages, salts, alkalises, air contamination, dirt, and lichens. Does not affect the breathability of the surface.

Application instructions

Application conditions

The surface and air temperature during application is between +5 °C and +35 °C and relative humidity must not exceed 80%.

Surface preparation

Dirt, oil, grease, organic matter, laitance, old paint or other substances that might impair the penetration of the liquid are removed. A wet sandblaster or pressure washer is used. In order to achieve the best results, the surface is also to be washed when there is no visible dirt. The surface needs to dry off completely. All repairs with mortar use need enough time to dry off. Before application, windows, doors and other timber and metal surfaces should be covered up.

Application method

Shake the product before use. It is to be applied to the surface using a low-pressure nozzle (e.g. garden sprayer), starting from the bottom and moving to the top. A brush or a paint roller may also be used. To achieve better absorption, the application starts with "moisturizing" the surface. The surface should become saturated with liquid.

All of the product is to be applied to the surface within one working cycle!

Product consumption is 1–5 m²/l (or 0,2–1 l/m²) depending on the absorption of the surface. The result as a water drop effect is visible in couple of days.

Cleaning

The tools and surfaces splashed with superfluous liquid are to be washed with soapy water immediately. When dried, the product leaves visible traces on dense surfaces like glass, metal or paint. The dried, polymerized product can only be removed mechanically.

Technical data

Properties	Value	Unit
Surface dry	1	hour
Completely dry	48	hours
Density	0,99	g/cm ³
pH	6,8	
Average penetration depth	3,2 (depending on a surface)	mm
Water penetration reduction (ASTM C-642)	95	%
Vapour permeability	100	%

The values specified were obtained at +23 °C and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.

Colour

Milky transparent (uncured), after curing turns transparent.

Package

1 L plastic bottle
3 L plastic canister
10 L plastic canister

Storage conditions and shelf life

Guaranteed storage time 24 months starting from the date of manufacture if stored in a closed original package in a dry place between +5 °C and +30 °C, protect from freezing.

Limitations

- Given the wide variety of possible substrates, we strongly advise conducting a preliminary compatibility test before using the product.
- Please observe the expiration date!

Safety regulations

Keep out of the reach of children. Avoid contact with skin and eyes. Wear suitable gloves. Detailed safety information is available on safety data sheet (SDS).

Note: The instructions in the present documentation are based on tests carried out by the manufacturer and are presented in good faith. Due to variations in materials and substrates as well as the various application possibilities that are beyond our control, the manufacturer is not liable for the results achieved. In any case, it is recommended to test the product suitability at the place of application. Manufacturer reserves the right to modify products without prior notice.
This TDS replaces and supersedes all previous data sheets on the same product.