

TECHNICAL DATA SHEET

PENOSIL Dust Proofer 612

Solution that chemically strengthens the surface of concrete and makes it dust-repellent. PENOSIL Dust Proofer 612 increases the wear resistance of concrete floors, makes them dust-repellent and resistant to the effect of chemicals.

Main benefits

- Dust repellent
- Wear resistant
- Oil resistant
- Water resistant
- Resistant to effect of chemicals (alkalis and acids)
- Reacts with concrete, thereby rendering the top layer evenly sealed
- Preserves the breathability of concrete

Fields of application

- Impregnating the floors of car parks and garages
- Impregnating the floors of storage and industrial buildings
- Impregnating staircases and other concrete surfaces indoor (including vertical surfaces)

Adhering

- Concrete
- Cementous based materials

Application instructions

Application conditions

Before impregnation, freshly built concrete surfaces should be left to harden for 21 day (+23 °C, 50% RH). The air and substrate temperature should be +5 °C to +25 °C.

Surface preparation

The surfaces must be dry, clean from dust, loose particles and oil. To achieve the best results, it is recommended to finish the concrete surface beforehand!

Application method

The floor surface is treated in three stages:

1. Mix one part of the solution with two parts of water (1:2) and apply to the concrete surface using a soft brush. The solution must be applied to the surface generously to enable its deepest possible penetration into the concrete. Let the surface dry for 40–60 min. and then remove the superfluous solution with a cloth. Continue with step 2 immediately.
2. Mix the solution with water 1:1 and apply to the concrete surface as previously. Let the surface dry for 40–60 min. and then remove the superfluous solution. Continue with step 3 immediately.
3. Mix two parts of the solution with one part of water (2:1) and apply the mix to the concrete surface as in the previous stages. Let the surface dry for 40–60 min. and then remove the superfluous solution. Full cure is 24 hours.

To prevent slops remaining on the surface, it is especially important to remove all solution that has not penetrated into the surface. Otherwise, spots may appear on the surface.

If white active substance seeps from the concrete after coating, Step 3 needs to be repeated to remove any stains. NB! The three stages of surface treatment must be performed one after another as described above. When treating the surface in three stages, the product consumption is up to 0,5 l/m².

When treating the vertical surfaces (e.g. internal walls), mix one part of the solution with two parts of water (1:2) and apply to the concrete surface using a soft brush. The solution must be applied to the surface

generously to enable its deepest possible penetration into the concrete. Let the surface dry for 40–60 min. and then remove the superfluous solution with a cloth. Treated surface has to cure at least 24 hours before use.

Cleaning

Remove the stains immediately with detergent and water. The film formed by the dried product can only be removed mechanically.

Technical data

Properties	Value	Unit
Covering capacity	0,5	l/m ²
pH	10...11	
Density (DIN 53 479-B)	1,2	g/ml
Application temperature	+5...+25	°C

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

Grey

Package

5 L plastic canister
10 L plastic canister
20 L plastic canister

Storage conditions and shelf life

Storage time 24 months when stored in a closed package and dry places at temperatures +5 °C to +30 °C.

Limitations

- Not suitable for strengthening natural surfaces (limestone, sandstone).
- Should not be used outdoors.

Safety regulations

Irritating to eyes, respiratory system and skin. Risk of serious damage to eyes. Keep out of the reach of children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection. If swallowed, seek medical advice immediately and show this container or label. More specific safety information is available on the 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.