

TECHNICAL DATA SHEET

PENOSIL BetPrimer 603

An adhesion substrate primer for treating porous surfaces and to improve wearing resistance, both indoors and outdoors, before applying putty, tiling, screed mixtures for cement systems and floor substrates and covering with wallpaper, paint, hydro-insulation mastics or some other finishing material. For strengthening plastered surfaces. Will ensure superior bonding with substrate, protection against water and alkaline substances.

- Improves adhesion on porous surfaces.
- Strengthens and improves wear-resistance.
- Easy to use
- Dries quickly

Fields of application

Treating porous surfaces to improve adhesion and wearing resistance, both indoors and outdoors, before applying putty, tiling, screed mixtures for cement systems and floor substrates and covering with wallpaper, paint, hydro-insulation mastics or some other finishing material. For strengthening plastered surfaces.

Adhering

- Concrete
- Mortar
- Brick
- Natural stone
- Plaster
- Wood

Application instructions

Application conditions

Air temperature during use +10 °C to +30 °C. Maximum relative humidity of the surface: wood 8-12% and concrete <80%.

Surface preparation

The surfaces must be dry, clean from dust, loose particles and oil.

Application method

Product is applied on the substrate with a cleaning brush or a paint brush in two coatings.

Floors: Primer diluted with water 1:5 up to 1:20 (dispersion: water). For example, for priming floors before applying screed mixtures, at the ratio of 1:3 to 1:5; layers of concrete, manually squared floor screed mixtures for strengthening and enhancing wearing resistance at the ratio of 1:5 to 1:20; for strengthening concrete floors at the ratio of 1:5 to 1:10. Concrete or screed mixture may be applied immediately on top of a moist adhesion substrate. Allow the primer to dry for 2 hours before covering for ceramic tiles, non-absorbent surfaces and substrates that contain traces of old glue. In case of parquet glued to substrate and floor heating system, all concrete floors must be sanded to clean them completely of any bleeding and other substances that may prevent bonding (e.g., traces of old glue). Only levelled areas will be primed.

Walls and ceilings: Primer diluted with water 1:5 up to 1:20 (dispersion: water). E.g. strengthening plaster at the ratio of 1:5 to 1:20; improving the adhesion of cement-based grout: 1.5mm –1:5 and 5-20mm –1:10; for strengthening weak surfaces at the ratio of 1:15 to 1:20. Use undiluted concentrate in case of non-absorbent substrate. Apply PENOSIL BetPrimer 603 to the treated surface as a thin, uniform layer; there must be no puddles of adhesion substrate. Coverage depending on the substrate 3-10 m²/l.

Cleaning

Clean the uncured product with water or use PENOSIL Cleaning Wipes. Cured product should be removed mechanically.

Technical data

Properties	Value	Unit
pH	8	
Density (DIN 53 217)	1,04	g/cm ³
Curing time	1...3	Hours

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

White.

Package

1 L plastic bottle
3 L plastic canister
10 L plastic canister
25 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. Avoid freezing.

Limitations

- There is no adhesion to PE, PP, PTFE (Teflon®).
- Due to the wide variety of possible substrates, we recommend a preliminary compatibility test.

Safety regulations

Ensure sufficient ventilation during application and wear necessary personal protective equipment. 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.