

TECHNICAL DATA SHEET

PENOSIL Epoxy Fix&Coat 507

PENOSIL Epoxy Fix&Coat 507 is an especially strong two-component, solvent-free transparent adhesive.

Main benefits

- Extra strong adhesion
- After curing, can be sanded, drilled, filled and painted
- The solidified product is resistant to solvents, water, alkalis and weak acids as well as to oils and gasoline
- Low odour

Fields of application

- Suitable for gluing different materials.
- Can be used as a protective layer or fill mass.
- Suitable for gluing glass fabric when bridging cracks, in order to restore the strength of the surface.

Adhering

- Metals
- Glass
- Stone
- Ceramics
- Wood
- Most stiff plastics
- Other suitable surfaces

Application instructions

Application conditions

The best surface and ambient temperatures for installing are between +15 °C to +25 °C.

Surface preparation

All surfaces must be dry, clean and free of dust, dirt, grease, oil, or water. If necessary, remove soft and loose parts by mechanical means.

Application method

Components are to be dosed in the correct ratio to the mixing base and by a mixing rod or a spatula, to be carefully and thoroughly mixed with each other. For applying the adhesive to the surface, use a mixing rod, a spatula, a brush or a roller. Incorrect dosing or insufficient mixing impairs the quality of the adhesive connection and, in extreme cases, the adhesive may not solidify.

Apply the adhesive to the surfaces, press the surfaces together and remove the surplus adhesive immediately. When repairing cracks, it may be necessary to cover them with a number of layers, for bridging larger cracks, use a glass cloth between the layers of adhesive for bridging larger cracks. During solidifying, the volume of the adhesive does not change.

Cleaning

Remove adhesive residues immediately with spirit or xylene. Solidified adhesive residues must be removed mechanically.

Technical data

Properties	Value	Unit
Density: the base material	1,16	g/cm ³
Density: hardener	1,05	g/cm ³
Mixing ratio by volume	2:1	The base material / hardener
Working time	30	minutes
Time of surface drying	3	hours
Time of solidifying	4	hours
Achieving durability	3	24 hours
Achieving chemical resistance	7	24 hours
Temperature tolerance when solidified	-40 to +150	°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

Transparent.

Package

1 L set contains the base material 665 ml and hardener 335 ml.

Storage conditions and shelf life

Guaranteed shelf life 24 months from production date if stored in the moisture proof, closed original container in a dry place at temperatures of +5 °C to +30 °C. Do not store near an open flame or active heat source.

Limitations

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

Safety regulations

Repeated exposure may cause skin dryness or cracking. Avoid contact of the chemical with the skin or eyes. Vapours may cause drowsiness and dizziness. Keep out of reach of children. The chemical and its container must be disposed of in a safe way. Detailed safety information is available on the product 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.