

TECHNICAL DATA SHEET

PENOSIL Premium Bitum Sealant

Plastoelastic solvent containing based sealing paste for roof repair and insulation. Suitable on bituminous materials, alkali and metals. Touch-dries quickly, has a high consistency and can therefore be applied on vertical joints, immediately rain and ice resistant.

Can be used in moist surfaces and at low temperatures if the sealant has been kept in warm and if considering with a longer curing time and a smaller elasticity of the substance. Melting temperature over +100 °C. Will not brittle in cold. Resistant to diluted acids, alkali, exhaust fumes and weathering. High tensile force.

Field of applications

Insulation of roof and chimney joints, for closing cracks and joints with little movements and repairing small leakages and open seams on flat roofs. Mending leaks on joints between sheet metals of aluminium, lead, copper or tin. For sealing joints between covers and bituminous tiles or rolls.

Application conditions

Application temperature between +5 °C and +30 °C. The surfaces must be clean from dust, loose particles and oil.

Application instructions

The substrate areas that will be in contact with the sealant must be clean, dry and free of all loose material, dust, dirt, rust and other contaminants. Non-porous surfaces should be cleaned with solvent and a clean, non-fluffy cotton cloth. Solvent rests should be removed before evaporating with a clean cloth. Absorbing and sandy surfaces must be treated with primer.

Cut off the threaded end of the cartridge and screw on the application nozzle for directing sealant. Cut the threaded end in a way where a suitable opening for application is produced. Place the cartridge together with the applicator in the gun and fill the installation nozzle with sealant, by repeatedly pressing the gun trigger.

Apply sealant in the joint by repeatedly and evenly pressing on gun trigger and smoothly dragging the nozzle along the joint. After application, smooth the surface with a rubber silicone scraper and remove excess material.

It is convenient to apply the sealant to the surface also with a filling knife, especially in case of bigger surfaces. If outside temperatures are low for application, the putty should be stored in heated areas to avoid a high viscosity. The skin-over-time of bituminous putty is relatively short and therefore quickly fulfils its task to seal the joints. The curing time strongly depends on the thickness of the layer of the putty and the surrounding temperature. It generally takes two to three days.

Cleaning

Uncured sealant, tools and hands can be cleaned with PENOSIL Premium Cleaning Wipes. Cured sealant can be removed mechanically.

Technical data

Properties	Unit	Value
Skin forming time	minute	10–12
Curing time	mm/24 h	3–4
Extrusion rate (2 bar, Ø3mm)	g/min	5–10
Properties of cured sealant		
Hardness (Shore A) (ISO 868)		22±2
Temperature resistance after curing	°C	-35 up to +110

The parameters indicated have been measured at +23 °C and 50% relative air humidity.

Colour

Black.

Package

310 ml cartridge, 12 pcs in a box.

Storage conditions

Guaranteed storage time 18 months starting from the date of manufacture if stored in a closed original package in a dry place between +5 °C and +30 °C.

Safety regulations

Contains inflammable solvents. Ensure sufficient ventilation during application. Keep out of the reach of children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with water and seek medical advice.

Cured sealant can be handled without any danger to health.

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.