

## TECHNICAL DATA SHEET

# PENOSIL Premium RoofMastic

Elastic water-based environmentally friendly roof and insulation mastic. With this mastic, intricate construction elements such as pipe bushings and surroundings can be insulated. The roof coating is durable, water-resistant but breathable, stable in outdoor conditions, has no seams. Has crack-bridging capabilities and is UV resistant. Coating can be reinforced with a polyester woven fabric PENOSIL Premium AquaBrake Fabric. The roof mastic can be used with different materials such as bitumen, roll coverings, plywood, metal roofing, concrete etc. Can be used indoor and outdoor. The roof and insulating mastic can be tinted.

### Fields of application

Repairing old bitumen roofs, sealing and coating of sloped shingle roofs, sealing the seams of metal-sheeted roofs. Coating of fibre cement boards, protecting roofs from ambient influences.

### Application conditions

PENOSIL Premium RoofMastic can be applied on humid surface. Do not apply when air temperature is below +5 °C or relative humidity over 80% or when drop of air temperature under +5 °C is expected in 24 hours. The mastic is water-based, so when working outdoors, rainwater will dissolve the undried mastic. It is not recommended to apply the mastic in lower places, where after rain is collecting a puddle.

### Application instructions

The surface of the roof is cleaned. In case of old felt coverings, frost heaves are removed. Stir before use. Concrete surfaces must be primed with diluted mastic (1:5 with water). PENOSIL Premium RoofMastic is applied with a roll, brush or spray in two layers, with the second layer applied crosswise to the first layer. Each layer needs to dry 12–24 hours depending on the ambient conditions. Reinforcing woven fabric PENOSIL Premium AquaBrake Fabric is placed right after application of the first mastic layer and is pressed with a paintbrush, brush or filling knife into tight contact with the roof surface.

### Cleaning

The tools can be easily cleaned with water or using PENOSIL Premium Cleaning Wipes. Cured mastic can be removed mechanically.

### Technical data

Properties		Unit	Value
Surface dry		hours	12-24
Density		g/cm <sup>3</sup>	1,45
Viscosity		KU	> 140
Tensile strength (after 7 days)		MPa	1,2
Elongation to shear point (-10 °C)		%	160
Recovery after 25% elongation		%	60
Consumption when applied twice	flat roof	m <sup>2</sup> /l	1
	sloped roof		0,8
Application temperature		°C	+5...+40
Service temperature		°C	-30...+70

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

### Colour

White, grey.

## Package

1 L, 3 L, 10 L plastic containers.

## Storage conditions

Guaranteed storage time 36 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.

## Safety regulations

Keep out of the reach of children. Avoid contact with skin. Wear suitable gloves. Leftovers of the product should be disposed of as non-hazardous waste according to local law. Empty containers must be brought to a package collection facility.

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.