

TECHNICAL DATASHEET

PENOSIL Premium Air&Vapour Membrane

Fibre-reinforced ready-to-use vapour barrier mastic for covering window and door joints. Forms an elastic, air tight and water vapour-resistant layer when dry. The mastic is water-based and does not emit odour or harmful compounds during drying. Application is convenient and easy.

- Provides air tightness.
- Protects the joint from moisture.
- Excellent adhesion to all common construction materials.

Fields of application

For making window and door joints air and water vapour tight. Also used to seal connections between floor and wall, wall and ceiling and various penetrations.

Application conditions

During application air temperature, substrate temperature and mastic temperature must be between +10 °C and +25 °C and maximum relative humidity 80%. Before using the mastic ensure that the substrates are properly cured, clean and dry.

Mix the mastic carefully before use.

As the mastic does not form an independent, strong and wear-resistant surface cover, the surface must be covered with a finishing material.

Consumption is 0,5-1,3 kg/m² depending on the substrate and thickness of the applied layer. As a rule, consumption is higher when applying the first layer and lower when applying next layers.

Application instructions

For sealing door and window joints

To avoid mastic splashes on the frame, protect window and door frames with masking tape. Do not tape the edge of the window or doorjamb so that the mastic can form an entirely air and water vapour tight connection. Use a brush and apply the undiluted paste in an even layer on the surface of cut foam.

As needed, but we recommend covering the surfaces in several layers. Depending on the porosity of the substrate, the next layer can be applied in approx. 1 hour.

Sealing various penetrations.

For sealing penetrations and turn-ups, a sealing cuff or reinforcement fabric has to be used. Use a brush and apply the mastic on the surface, install a sealing cuff or a reinforcement fabric and cover the surface with mastic.

As needed, but we recommend covering the surfaces in several layers. Depending on the porosity of the substrate, the next layer can be applied in approx. 1 hour.

Cleaning

Wash tools and work clothes with water immediately after use. Dried product can only be removed mechanically.

Technical data

Properties	Unit	Value
Water vapour resistance (ISO 12086)		class 1
Water vapour resistance (ISO 12086, 1 mm thickness)	Sd	42
Elongation at break (ISO 37)	%	125
Final curing	h	6-12
Density	g/cm ³	1,35
Consumption	kg/m ²	0,5-1,3

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

Colour

White.

Package

1 kg and 5 kg bucket

Storage conditions

Guaranteed storage time is 36 months from the date of manufacture if stored in a closed original package in a dry and cool place at temperatures between +5 °C and +30 °C. Protect the product from freezing. Mix the mastic before using.

Safety regulations

Keep out of reach of children. Avoid contact with skin. Wear suitable protective gloves. For detailed safety information, see 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.