

TECHNICAL DATA SHEET

PENOSIL Air&Vapour Membrane 660

Vapour barrier mastic for internal use

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.

Main benefits

- 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.

Adhering

- Concrete,
- Bricks and masonry
- Metal
- Wood



Colour

Bluish grey (black after curing), white.

Package

1 kg bucket.
5 kg bucket.

Storage conditions and shelf life

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.

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Technical data

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

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

Application instructions

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.

Surface preparation

The surfaces must be dry, clean from dust, loose particles and oil. Non-porous surfaces should be cleaned with solvent and a clean, non-fluffy cotton cloth. Solvent excess should be removed before evaporating with a clean cloth.

Application method

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.

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Limitations

- Not suitable for surfaces in permanent contact with water.
- 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

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.

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