

TECHNICAL DATA SHEET

PENOSIL Air&Vapour Membrane 660

Fibre-reinforced ready-to-use vapour barrier mastic for covering window and door joints. Forms an elastic, airtight 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.

Adhering

Adheres well to concrete, bricks and masonry, metal, wood.

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%.

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

Clean the uncured product with water or use PENOSIL Cleaning Wipes. Cured product should be removed mechanically.

Technical data

Properties	Value	Unit
Water vapour resistance (ISO 12086)	class 1	
Water vapour resistance (ISO 12086, 1 mm thickness)	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 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

Bluish grey (black after curing), white.

Package

1 kg bucket, 5 kg bucket.

Storage conditions and shelf life

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.

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

Ensure sufficient ventilation during application and wear necessary personal protective equipment. More specific safety information is available on the 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.