

TECHNICAL DATA SHEET

PENOSIL Premium Expanding Tape 300

Premium Expanding Tape 300 is an impregnated self-expanding sealing tape. It is used in covered connection joints and expansion joints. Expanding tape is a flexible polyurethane foam tape impregnated with fire resistant acrylic dispersion. The tape is airtight and protects the joint against dust, wind and driving rain of up to 300 Pa. The self-expanding sealing tape has excellent thermal and sound insulation properties. It is permanently elastic and moves with the joint.

Fields of application

Premium Expanding Tape 300 is designed to provide weather protection and insulation in external joints that are mostly covered. Fields of application include facade joints, door and window frame joints; insulating concrete and roof elements, timber and log houses; soundproofing internal and partition wall joints; and insulating ventilation and air exchange devices against sound and vibration.

Product benefits

- Very fast and easy installation
- Permanently elastic
- Impermeable to driving rain ≥ 300 Pa
- Fire class B2
- Airtight against wind and dust
- Vapour diffusion permeable
- Temperature resistant
- Compatible with most building materials
- Provides thermal insulation
- Provides sound insulation

Application conditions

Ideal application temperature is +5 °C to +30 °C.

Avoid pressure cleaning or using highly acidic solvents.

Expanding tape can be painted over with standard emulsion paints.

Application instructions

Choose the appropriate tape according to width of the joint. Then choose the width of the tape according to depth of the joint. Make sure that the joint is clean and dry. Cut off the first (and last) 3-5cm of the tape roll. One side of the tape is covered with an adhesive fabric for fixing the sealant to the joint. Remove the coating of the adhesive strip and press the tape to the surface. For visual purposes, install the sealing tape 2–3 mm inwards from the edge of the joint. The tape will then start to slowly expand and fill the joint. More detailed user manual available from the producer.

Technical data

Characteristics	Value	Unit
Classification (DIN 18542)	BG2	
Tightness of joints against driving rain (DIN18542)	≥ 300	Pa
Air permeability (DIN 18542, EN 12114)	≤ 1,0	m ³ /(h*m*(daPa) ^{2/3})
Thermal conductivity $\lambda_{10, tr}$ (DIN EN 12667)	≤ 0,046	W/m·K
Reaction to fire (DIN 4102)	B2	
Temperature resistance	-40 ... +90	°C

The technical data applies to correctly installed and pressurised sealing tapes.

Colour

Gray and black.

Packaging and product measurements

Tape width	Joint width	Roll length
10mm	2-3mm	12,5m
15mm	2-3mm	12,5m
10mm	3-5mm	10m
15mm	3-5mm	10m
15mm	4-7mm	8m
20mm	4-7mm	8m
15mm	6-10mm	5,6m
20mm	6-10mm	5,6m
15mm	8-13mm	4,3m
20mm	8-13mm	4,3m

Storage

Guaranteed shelf life is 1 year from the manufacturing date when stored in a cool and dry place in original packaging at temperatures between +1 °C and +20 °C.

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.