

## TECHNICAL DATA SHEET

# PENOSIL Expanding Tape 300Pa

PENOSIL Expanding Tape 300Pa is an impregnated self-expanding PUR sealing tape. With the appropriate compression, the tape is airtight and protects the joint against dust, wind and driving rain. The self-expanding sealing tape has excellent thermal and sound insulation properties. It is permanently elastic and moves with the joint.

### Main benefits

- Particularly suitable as a sealing tape for external sealing according to DIN 18542 BG2 in hidden component joints.
- Complies UK Building regulations.
- Very fast and easy installation
- Permanently elastic
- Impermeable to driving rain up to 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
- Expansion even at low temperatures

### Fields of application

- For facade joints.
- Door and window frame joints.
- Insulating concrete and roof elements.
- Timber and log houses.
- Soundproofing internal and partition wall joints.
- Insulating ventilation and air exchange devices against sound and vibration.

### Adhering

- Concrete
- Bricks and masonry
- Metal
- Wood

### Application instructions

#### Application conditions

Application temperature range: from +5 °C to +30 °C.

#### Surface preparation

Installation surfaces must be clean and dry, free from oil, grease and dust. Do not clean the surfaces with chemicals containing substances impairing or reducing bonding. Roughness, unevenness or porosity may reduce bonding. Non-bonding surfaces should be stabilised by priming.

## Application method

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

Properties	Value	Unit
Service temperature	-40...+90	°C
Classification (DIN 18542)	BG2	
Tightness of joints against driving rain (DIN18542)	≥ 300	Pa
Air permeability (DIN 18542, EN 12114)	≤ 1.0	m <sup>3</sup> /(h·m·(daPa) <sup>2/3</sup> )
Thermal conductivity λ 10, tr (DIN EN 12667)	≤ 0,046	W/(m·K)
Reaction to fire (DIN 4102)	B2	

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

Grey, black.

## Package

Pre-compressed tape rolls, packaged in plastic bag and larger sizes to carton box.

## Storage conditions and shelf life

The guaranteed storage period is 12 months from the date of production subject to storage in the sealed original packaging, watertight and in a cool, dry location at a temperature from +1°C to +20°C. Protect from direct sunlight, heat radiation, dust, humidity and chemical vapours.

## Limitations

- When used for external sealing in non-hidden component joints, expanding tape must be covered.

## Safety regulations

Follow basic hygiene requirements. Empty the packaging thoroughly and dispose of it in accordance with regulations.

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.