

TECHNICAL DATA SHEET

PENOSIL AquaBrake Tape 431

Thin waterproof sealing tape for reinforcing corners, floor and wall junctions together with waterproofing mastic.

Main benefits

- Very elastic
- Resistant to ageing, tearing and chemicals

Fields of application

- To be used along with waterproofing mastic in domestic bathrooms, kitchens, shower rooms, balconies and terraces; for indoor applications
- Suitable for applications with higher-than-average load of non-pressurized water.

Application instructions

Application conditions

Air and surface temperature during application between +5 °C and +40 °C.

Surface preparation

The surfaces must be clean from dust, loose particles and oil.

Application method

The first layer of waterproofing mastic is applied. The tape is pressed tightly on the fresh mastic. Avoid air bubbles. The second layer of waterproofing mastic is applied on the tape. Ensure that the tape is properly impregnated with the mastic. The overlap of tapes must be 5-7 cm if applied side by side.

Technical data

Properties	Value	Unit
Burst pressure	2,0	bar
Breaking load longitudinal DIN EN ISO 527-3	104	N
Breaking load lateral DIN EN ISO 527-3	23	N
Extension break longitudinal DIN EN ISO 527-3	70	%
Extension break lateral DIN EN ISO 527-3	335	%
Power absorption at 25% Elasticity lateral DIN 527-3	0,3	N/mm
Power absorption at 50% Elasticity lateral DIN 527-3	0,3	N/mm
Resistance to water pressure DIN EN 1928 (Version B)	>1,5	bar
UV-Resistance: min. DIN EN ISO 4892-2	500	h
Temperature resistance	-30 to +90	°C
Total thickness	0,7	mm

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.

Resistance after storage over 7 days by room temperature in following chemicals	+ = resistant - = non resistant
Hydrochloric acid 3%	+
Sulphuric acid 35%	+
Citric acid 100g/l	+
Lactic acid 5%	+
Potassium hydroxide 3% / 20%	+
Sodium hypochlorite 0,3g/l	+
Salt water (20g/l)	+

Colour

Red.

Package

0,7x120mm 10 m in roll
0,7x120mm 50 m in roll

Storage conditions and shelf life

Store in a cool and dry place at a temperature of +5 °C to +30 °C. Must not be stored above +50 °C, in vicinity of heat sources or in direct sun light. Guaranteed shelf life in an unopened package is 24 months.

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.