

# WPT 1000

## High performance Waterproofing Tape

### DESCRIPTION

WPT 1000 is a waterproofing tape based on thermo plastic elastomers (TPE) to provide a highly elastic and chemically resistant sealing of expansion joints, cracks, irregular and unconventional joints. WPT 1000 is for installation with EP 305 epoxy adhesive on various building substrates in critical areas with high and/or frequent movements.

### USES

Ideal for very large expansion joints and joints with extreme movements for areas such as

- Basements
- Podiums
- Tunnels and Culverts
- Reservoirs & Ponds
- Roofs & Facades

### FEATURES

- Highly flexible: can accommodate movements both longitudinal and lateral.
- Good chemical resistance
- Long lasting elasticity, even at high temperatures
- Good resistance to hydrostatic pressure
- Available in various widths between 100mm to 1000mm
- Easy to install

### PHYSICAL PROPERTIES

Colour	Grey
Thickness	1 mm
Breaking load longitudinal DIN EN ISO 527-3"	14.0 N/mm <sup>2</sup>
Breaking load lateral DIN EN ISO 527-3"	14.0 N/mm <sup>2</sup>
Extension break longitudinal DIN EN ISO 527-3"	1000 %
Extension break lateral DIN EN ISO 527-3"	1000 %
Power absorption at 25% Elasticity lateral DIN EN ISO 527-3"	42.7 N/mm
Power absorption at 50% Elasticity lateral DIN EN ISO 527-3"	49.2 N/mm
Resistance to water pressure DIN EN 1928 (Version B)	> 4 bar
Bonding strength DIN EN 1348	> 4.0 N/mm <sup>2</sup>
Resistance to tearing longitudinal DIN EN 12310-2	100 N

Resistance to tearing lateral DIN EN 12310-2	100 N
Peel test on wood carrier	> 100 N
UV-Resistance DIN EN ISO 4892-3	minimum 6500 h
Fire classification DIN EN 4102	B2
Shore A Hardness	87

### CHEMICAL PROPERTIES

	+ = resistant 0 = weakened - = non resistant
Hydrochloric acid 3%	+
Sulphuric acid 35%	+
Citric acid 100 g/l	+
Lactic acid 5%	+
Potassium hydroxide 3% / 20%	+ / +
Sodium hypochlorite 0.3 g/l	+
Salt water (20 g/l Sea water salt)	+

### ROLL SIZE

Standard  
20m x 100mm x 1mm  
20m x 200mm x 1mm  
20m x 300mm x 1mm

**Note:** Other widths between 300 mm - 1000 mm are available upon request

### APPLICATION INSTRUCTIONS

#### Surface Preparation

The contact surface of concrete must be dry, clean, structurally sound, and free from oil, grease, wax, polish, laitance, dust and other barrier materials. It is recommended to abrade the surface to provide maximum adhesion.

#### Application

Select of the correct width of the WPT 1000 before beginning the work.

Using a trowel or spatula, the mixed EP 305 is applied to the prepared substrate for a minimum thickness of 1 mm. Lay WPT 1000 along the adhesive and press firmly to ensure complete contact and eliminate any air bubbles. The adhesive should squeeze out on either side of the tape. Smooth off the product with a flat trowel.

For very wide joints or joints with high movements, provide a loop into the joint to accommodate these movements. It is recommended to punch holes along the edge of the tape to provide better adhesion and anchorage.

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Individual tapes can be connected into longer pieces by hot air weld with an overlap of 50 mm. The tape must be roughened with sand paper before welding for better bond.

### STORAGE AND SHELF LIFE

WPT 1000 has a shelf life of 12 months if kept in a dry, clean store between 5°C and 30°C in the original unopened packing. The product should be protected from frost, away from direct sunlight and sources of heat.

### DISPOSAL

Disposal of empty packaging should be in accordance with local waste disposal authority regulations.

For further information please refer to the Material Safety Data Sheet.

### CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

### NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products. However, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.



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