



# INTERTAPE TPE

## THERMOPLASTIC EXPANSION TAPE FOR WATERPROOFING CONSTRUCTION JOINTS

- Simple application
- Rapid expansion capacity
- Swelling process is infinitely repeatable and reversible

### DESCRIPTION

**INTERTAPE TPE**, thermoplastic expansion tape for waterproofing concrete junction points, construction joints and cold joints.

### TYPICAL APPLICATIONS

- Cold joints and Construction joints,
- Foundation and bearing wall concretes,
- Junction points of old and new concrete sections,
- Retaining walls,
- Pools and water tanks,
- Tunnel, metro, dam, highways, etc.
- Sewage systems, water treatment facilities, manholes,
- Underground piping and cable crossings,
- Junction sections of precast concrete pieces.

### ADVANTAGES

- Flexibility and small cross section make it easy to shape up with any form or surface undulations.
- Rapid and high expansion capacity.
- Swelling process is infinitely repeatable and reversible.
- Dimensionally stable even at high temperatures.
- Suitable for freshwater and saltwater.
- Easy application on complex details.
- No primer needed.
- Water molecules held by molecular attraction, captured water does not get transported through capillaries.

### TECHNICAL PROPERTIES

**Basis:** TPE (Thermoplastic Elastomer)

**Dimension:** 5 x 20 mm

**Density:** Approx. 1,25 g/cm<sup>3</sup>

**Expansive Pressure:** Approx. 1,06 N/mm<sup>2</sup>

**Fire Classification:** Class E (DIN EN 13501-1)

**Swelling Capacity:** > %800

**Toxicity:** None

### DIRECTIONS FOR USE

#### Substrate Preparation:

- Surface should be free from gravel pockets, cavities and gaping cracks. Cracks should be repaired with grout mortar.
- The substrate must be sustainable, and clean.

#### Application:

- It is necessary to ensure that there is at 8 cm coverage of concrete from the side exposed to water.
- **INTERTAPE TPE** can be fixed with a suitable adhesive or with steel nails (nails should be approx. 15 cm apart.)
- Waterstop joints can be made by overlapping by 50 mm.
- During application, surface may be damp but any standing water must be removed.

### WATCHPOINTS

- **INTERTAPE TPE** should be kept in the original packaging, keep frost free and dry, protect from the weather.
- Make sure that the tape lies flat and planar on the concrete, without any contamination beneath the expansion tape.
- **INTERTAPE TPE** is not suitable for movement joints.
- Deformed tapes are not suitable and must be removed.

### PACKAGING

5 x 20 mm 40 mt/roll

### STORAGE AND SHELF LIFE

Store in dry and cool locations. Shelf life is 24 months under suitable conditions.

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