

**Waterproofing Systems / Waterproofing Tapes and Subsidiary Products****IMPERMO® TPE****Thermoplastic Elastomer Based Water Swellable Tape****DESCRIPTION**

Thermoplastic elastomer (TPE) water swellable tape for joints with hydrophilic particles, offering high swelling capacity and long cyclic durability. Makes concrete joints waterproof by swelling up to 400% upon contact with water.

**APPLICATION AREAS**

- Indoor and outdoor,
- Swimming pools, water tanks and purification facilities,
- Joints of foundation and shear wall,
- Manholes,
- Pipe inlet-outlets,
- Construction joints in cable canals,
- Tunnel segments,
- Joints of fresh and old concrete,
- Construction joints.

**TECHNICAL PROPERTIES**

<b>Appearance</b>	Red colored tape roll
<b>Density</b>	1.25 g/cm <sup>3</sup>
<b>Hardness (Shore A)</b>	~ 40
<b>Elongation at Break</b>	≥ 150% when dry (DIN 73521)
<b>Volume Change</b>	≥ 400% (Volume change in water containing 3% sea salt is 100%)
<b>Tensile Strength</b>	1.1 – 2.1 MPa
<b>Application Temperature</b>	Between -20°C and +50°C

**ADVANTAGES**

- Easy to apply, minimizes user errors that may appear on other water stop tapes.
- Fills cracks and pores that may appear on cold concrete joints by swelling once it gets in contact with water. Makes concrete joints waterproof.
- Can be conveniently used in vertical and horizontal applications.
- Once IMPERMO TPE Thermoplastic Elastomer Based Water Swellable Tape gets in contact with water; it swells in normal speed and does not damage the fresh concrete. Elastic.
- Does not require welding at the joints.
- Highly resistant to high salt concentrations and various chemicals.
- Offers superior cyclic swelling capacity.

**CONSUMPTION**

Running meter

**PACKAGING**

5 mm x 20 mm, in rolls of 20 m  
10 mm x 20 mm, in rolls of 10 m

The application instructions and technical values given for the products have been obtained in accordance with our tests and experiences in accordance with international standards at 23±2°C temperature and 50±5% relative humidity conditions. These values may vary depending on ambient conditions. High temperatures shorten the times, low temperatures lengthen them. Before starting the application, the user should test whether the product is suitable for the application and purpose. FIXA Yapı Chemicals San. Trade Ltd. Sti. is not responsible. This Technical Data Sheet remains valid until the next revision is published. FIXA reserves the right to change the values specified in this Technical Data Sheet, provided that the new version is published. It is the user's responsibility to check that the document is up-to-date. Please contact our sales department for more information.