

# Thermoplastic Swell Tape

## Definition

**BAUMEZ TPE**, is a thermoplastic-based intumescent tape suitable for use in concrete joints, construction joints and cold joints, and aids waterproofing.

## Areas of use

- Cold joints and construction joints,
- Foundation and curtain wall concretes,
- Old and new concrete settlements,
- Retaining curtains,
- Water tanks and pools,
- Tunnels, subways, dams, motorways, etc. all kinds of constructions,
- Sewerage, water treatment plants and manholes,
- Underground pipe and cable crossings,

## Advantages

- Thanks to its flexibility and suitable cross-sectional dimensions, it is easily applied to all kinds of folds and grooves on the surface.
- It has fast and high expansion capacity.
- It has infinite and reversible expansion (capacity to return to its original state).
- Maintains dimensional stability even at high temperatures.
- Suitable for contact with groundwater, tap water, salt water, pure water and alkaline water (cemented water).
- Thanks to its dimensions, it is easy to apply even in areas with excessive reinforcement.
- No primer required.
- This dimensional change enables the material to form a water barrier within the reinforced concrete structure and to fill possible voids.

## Points to Consider

- Store in dry and non-humid areas, protected from direct sunlight.
- Pay attention to surface cleanliness and smoothness.
- Not suitable for use in expansion joints.
- Previously deformed tapes are not suitable for use.

## Method of Use

### Surface Preparation:

- For very rough surfaces, necessary corrections should be made with repair mortars before application.
- The substrate must be durable and clean for application.

### Implementation:

- Application should be made at least 8 cm from the area of the concrete that will be exposed to water.
- Application can be done with suitable mounting adhesive or nailing method.
- In the nailing method, nails can be applied at 15 cm intervals.
- At the junction point of the two bands, the bands are brought 50 mm side by side and joined.
- The surface may be damp during application, but there should be no puddles.

## Packaging

20 mt/roll in 5 x 20 mm width 10 mt/roll in 10 x 20 mm width

## Storage and Shelf Life

Store in a closed, dry and clean environment in its original packaging. Shelf life is 24 months.



## Technical Specifications

Basis TPE	(Thermoplastic elastomer)
Dimensions:	5 x 20 mm / 10 x 20 mm
Density:	Approx. 1,25 g/cm <sup>3</sup> Expansion
Pressure:	Approx. 1,06 N/mm <sup>2</sup> Fire
Class:	Class E (DIN EN 13501-1)
Swelling Capacity	> %400
Dangerous Chemicals	None

