

## TPE FLEX

### TPE Based, Elastic Dilatation Tape

#### Description

**TPE FLEX** is highly elastic dilatation tape used for insulation of dilatation gaps, thermal expansion joints and cracks.

#### Fields of Application

- In all dilatation of buildings, both horizontal and vertical installations.
- In basements and curtain walls under the land.
- In waste water, potable water tanks and pools.
- In tunnel and culverts.
- Raft foundation - curtain wall, curtain wall-curtain wall joints waterproofing.

#### Features and Benefits

- Protects its elasticity under low and high temperatures (between -40°C to +80°C).
- Excellent adhesion performance.
- Resistant to plant root.
- Resistant to UV lights.

#### Technical Data

Content	Thermoplastic elastomer (TPE)
Color	Light Grey
Shore A Hardness	80
Elongation at Break	600%
Tear Strength	>600 N/cm
Water Pressure Strength	>8 bar
Tensile Strength	>6 MPa
UV Resistance	>7500 h
Service Temperature	-40°C ile +80°C arası
Thermal Welding Temperature	+270°C
HS Code	4008.29.00.90.00

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### Application Procedure

#### **Preparation of Substrate**

The application area must be durable, sound, dry, clean and clean off dust, dirt, rust, oil and all contaminants. Surface defects should be repaired by **EPOX 220**, **REPAMERK 301** cement based repair mortar or **EPOX 310** epoxy repair mortar.

#### **Application Method**

A and B components of **EPOX 220** must be stirred under low speed mixture during 2-3 minutes until homogenous mixture is obtained. Then applied on both sides of the dilation approximately 1/1,5 mm thickness and 40/50 mm width by trowel or spatula. Dilatation tape is cut in suitable sizes. Inset parts overlap and pasted with hot air gun. Before first floor epoxy adhesive get dry, dilatation tape is applied by using pressure on the epoxy. Second floor epoxy adhesive is installed as 1/1,5mm thickness after first floor get dry. During this time be careful of putting epoxy adhesive into the middle of the dilatation band. Do not move **TPE FLEX** expansion tape until epoxy adhesive get dry and protect it against water and mechanic impacts. Adhesive dry time could be change according to the warm and cold weather conditions. If conditions are under +5°C do not make installation.

### Consumption

Depends on application areas.

### Packaging

Width of Tape	Thickness of Tape	Length of Tape
15 cm	1 mm / 1,5 mm / 2 mm	25 m roll
20 cm	1 mm / 1,5 mm / 2 mm	25 m roll
25 cm	1 mm / 1,5 mm / 2 mm	25 m roll
30 cm	1 mm / 1,5 mm / 2 mm	25 m roll
40 cm	1 mm / 1,5 mm	25 m roll

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### Shelf Life

Minimum 10 years in original, unopened package.

### Storage

Store in dry area between +5°C and +35°C. Protect from heat, freezing and direct sunlight.

### Cleanup Information

Clean tools and equipment with industrial type solvents immediately after use epoxy adhesive. Dried material can only be removed mechanically.

### Cautions / Limitations

- Do not move dilatation tape until fully cured epoxy adhesive in the edges.
- Protect the surface against to water and mechanical damage until fully cured.
- Curing time of adhesive is change according to weather conditions.
- Do not apply in freezing conditions or during precipitation.
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry.

### Health and Safety

**Warning!** Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person.

Wash hands thoroughly after handling. Wear protective clothing, gloves, eye and face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations.

Keep container closed when not in use. Keep out of the reach of children.

**Limited Warranty:** This product is subject to a written limited warranty which can be obtained free of charge from BAUMERK Company. Please contact with technical service department for further information and support.