

Dilatation Tape

Definition

Thermoplastic elastomer based, UV resistant dilatation tape used for sealing and insulation of wall and floor joints and all kinds of expansion joints.

Advantages

- It is resistant to temperature changes and maintains its flexibility in cold up to -30 °C.
- UV resistant. It has high mechanical and tear resistance.
- Suitable for use under soil thanks to its resistance to plant roots.
- Baumez EPD Mortar Epoxy based adhesive mortar should be used for bonding Baumez Dilatation Tape.
- Resistant to dilute acids and alkaline solutions.

Areas of use

- Foundation and curtain concrete, building dilatations
- Tunnelling and similar underground structures
- At ridge junctions,
- In building joints and cracks,
- Terrace, balcony, exterior facades,
- Wet volume, parapet on the walls,
- Ponds, waste water units
- Multi-storey car park and parking areas

Surface Preparation and Application

The application surface should be cleaned from dust, paint, dirt, detergent, etc. and should be clean, dry, smooth and solid. The places where repairs are required on the application surface should be repaired in advance. The dilatation tape must be applied on the deck concrete. If screed or any coating is applied on the deck concrete, it must be cut and trimmed up to the deck concrete.

Application

The application width should be at least 40 mm for 20 cm wide tape and at least 50 mm for 30 cm wide tape. The areas where the tape application will be made are determined in advance and suitable tape lengths are prepared, the tapes that require splicing are prepared by welding with a hot air gun before application, Baumez EPD Mortar adhesive is not used in these processes.

Baumez EPD Mortar dilatation tape adhesive is thoroughly spread on the application surface, then the dilatation tape is laid. It is pressed so that the adhesive comes out of the holes of the dilatation tape. Then apply adhesive on the perforated part of the dilatation tape and pinch the tape between two adhesives. The application is made with a thickness of 1,0-1,5 mm and at least 20 mm overhanging the tape. Baumez Dilatation Tape should be applied with Baumez EPD Mortar epoxy adhesive inward or outward omega shape (Ω).

Before horizontal tape application, polyethylene roving with a diameter of 1 cm more than the dilatation width should be laid in the dilatation gap in areas with high movement and filled with sealant. It is applied in vertical areas with the same bonding method without using polyethylene roving and sealant.

Storage and shelf life

It can be stored for 5 years in its unopened original packaging in a cool and dry place protected from frost. Pallets should not be stacked on top of each other for long term storage.

Security measures

- Always read the instructions for use,
- Keep away from children,
- Do not approach with fire
- Suitable protective equipment should be used during application.

Technical specifications

- Chemical structure TPE (Thermoplastic elastomer)
- Colour Grey
- Width 15-30 cm
- Length 20 m roll
- Thickness 1.00 - 1.5 - 2.00 mm
- Hardness (Shore A) 70
- Service temperature -40 °C / +90 °C
- Elongation at break 600
- Thermal source temperature value 270 °C
- Tear strength > 600 N/cm
- Resistance to water pressure > 8 bar
- Tensile strength > 6 Mpa
- UV resistance > 7500 h
- Bitumen resistance Good
- Sulfuric acid resistance Good
- Good alcohol resistance
- Good detergent resistance

Points to be considered

- Care should be taken to apply the Baumez dilatation band in omega shape (Ω).
- It should be taken into consideration that the drying time of
- Baumez EPD Mortar will be longer in cold weather.
- Do not apply in rainy weather
- Within 24 hours on surfaces exposed to rain or frost should not be applied.

Packaging

- 20 mt roll (1 piece)
- 15 cm Perforated (20 mt)
- 20 cm Perforated (20 mt)
- 25 cm Perforated (20 mt)
- 30 cm Perforated (20 mt)

Quality certificates

ISO 9001:2015

