

Weldable synthetic sealing tape for construction joints, expansion joints and cracks.

DESCRIPTION

Homogeneous joint sealing tape based on special plastics. The special mixture of plastics ensures perfect adhesion of the epoxy resin adhesive. The joint tape can be homogeneously welded with hot air. EXPAJOINT W is UV resistant. The joint tape also has a very high chemical resistance (Table on demand.)

APPLICATION

EXPAJOINT W is used for sealing joints, cracks and crevices. Ideally for places where conventional sealants cannot be used.

CHARACTERISTICS AND BENEFITS

- Weldable with hot air (Leister).
- Various widths available.
- Grey colour.
- High mechanical strength.
- Can be used on wet surfaces.
- Absolutely watertight.
- UV-resistant.
- Resistant to many chemicals.
- Takes high component movements.

TECHNICAL DATA

Material	Special plastics based on TPE
Material thickness	1 mm
Roll Width	150, 200, 250, 300, 350 mm
Maximum tensile strength lengthwise	ca. 14,0 N/ mm ²
Maximum tensile strength crosswise	ca. 14,0 N/ mm ²
Water tightness	> 4 bar
UV-resistant	Yes
Fire classification	B2
Shore-A-hardness	86
Weight	Ca. 950 g/m ²
Colour	Grey

PACKAGING

Rolls of 20 m.

STORAGE

Stored under cool and dry conditions, protection of permanent UV-radiation is needed, 24 months storable.

APPLICATION PRESCRIPTIONS

- **Substrate preparation**
The substrate must be mineral, wet or dry, stable, solid and clean. Loose ingredients, release agents, formwork oil, grease and other adhesion-reducing layers have to be removed first before using EXPAJOINT W. The age of the concrete should be at least 3-4 weeks, depending on climate. Damaged areas, cracks and holes can be reprofiled with EXPAJOINT ADHESIVE. Probably a surface treatment with sand or shot blasting is required. A bond strength of at least 1.5 N / mm² is necessary.
- **Material**
First the EXPAJOINT ADHESIVE is mixed homogeneously in the right mixing ratio. Therefore, component B is fully mixed with component A. Choose a suitable mixing device, mix at least 3 minutes thoroughly, until in the mass are no more visible colour streaks. We recommend refilling the product in a clean container and briefly mixing it again, just to ensure obtaining a homogenous mass. The mixing device should mix at low speed so that not too much air is introduced (max 400 U/Min). The joint tape width and thickness depend on the expected loads. EXPAJOINT W is intended for low-stressed seals. Maximum allowable stretching movement under constant load: 1 mm Joint Tape: 10 % unbounded zone band. For movement which are larger than predicted the EXPAJOINT W Tape has to be arranged in loops over the joint.
- **Application of the EXPAJOINT W Tape**
The joint tape may not be fully glued to the ground with joints > 1mm and must be free on the joint or crack. The homogeneously mixed EXPAJOINT ADHESIVE is applied on both sides of the crack along the joint through using a spatula or notched trowel. Thickness of the adhesive layer: 1-2 mm. Application width on both sides: at least 40 mm. The EXPAJOINT W Tape must be embedded with the EXPAJOINT ADHESIVE and has to be pressed onto the surface. Avoid trapping air under the joint tape as it may cause leaks. If joint movements are anticipated the joint tape should be placed in loops over the joint. When sealing joints and cracks < 1 mm in width, the EXPAJOINT W Tape can be covered entirely with EXPAJOINT ADHESIVE. The joint tape will be connected through thermal hot air welding and compacting pressure. The welding zone of joint tape must be roughened before. Please treat only the actual welds. An overlapping of 4-5 cm at connections, T-pieces, L-pieces have to be observed. Welding temperature: +260°C to +400°C. When joints are exposed to pressurized water the EXPAJOINT W Tape must be secured. Therefore, foams and joint sealants can be used. In case of pressurized negative water, EXPAJOINT W Tape has to be secured from one side with a steel profile. If you have any questions you can consult our technical department. Basically each seal must be protected against technical damage.
- **Recommended tools**
Mixing device, scraper, notched trowel, gloves.