

ECMAFLEX Joint Tape

High Performance Elastomeric Joint Sealing Tape

Description and Characteristics

ECMAFLEX Joint Tape is a high performance waterproofing tape based on functional thermoplastic elastomer. The product is suitable for outside applications under high physical demands like elasticity, tensile strength, resistance against many chemical substances and other outside influences. The product is fusible with hot air and can be bond to itself with suitable adhesives.

Areas of Application

- For applications of sealing joints and cracks in areas exposed to high water pressure and thermal movement like water tanks, reservoirs, swimming pools etc
- Repairing and sealing of joints where structural movement is high.
- Joints wider than 40mm.
- Sealing joints of large concrete decks, podiums etc

Advantages

- Highly elastic
- Root resistant
- Accommodates high structural movement
- Flexible even at low temperatures
- High pH resistance

Surface Preparation

The surface must be abraded and cleaned for good contact with adhesive. Any sharp protrusions such as nails, tying wire, etc. should be removed. Cracked concrete should be repaired and any depressions must be filled with mortar. External sharp edges must be chamfered. It is important that the surface is free of oils, grease and dust. Any moisture or condensation must be dried before commencing preparation works. Slabs must be totally dry as moisture left may be trapped inside.

Application

Mix **ECMABOND 520** adhesive as per recommended proportion. Cover the joints with masking tape with 10mm of extra of both sides of the joint. For example, if the width of joint is 50mm, 65-75mm masking tape should be used to cover the joints. Apply **ECMABOND 520** on both sides of joint with 1-2mm thickness with a spatula or putty knife. Width of applied adhesive should be 5-10mm more from the edge of either side of **ECMAFLEX Joint Tape**. Remove the masking tape before application of **ECMAFLEX Joint Tape**. On both sides of joints at least 40mm **ECMAFLEX Joint Tape** should be embedded in adhesive.

In case of crack (width less than 10mm) repair, use 20mm width masking tape to cover the crack before application of **ECMABOND 520**. Similar width of masking tape shall be used alongside of the joints or crack on **ECMAFLEX Joint Tape** to avoid application of adhesive over **ECMAFLEX Joint Tape**. Cover the **ECMAFLEX Joint Tape** with **ECMABOND 520** adhesive with a thickness of 1-2mm. After Application of Adhesive, remove masking tape from **ECMAFLEX Joint Tape**.



Lap Joints

Minimum Lap joints should be 50mm. **ECMAFLEX Joint Tape** is fusible with standard hot air dryer (with minimum of 2300 watt). It is important to select a low temperature setting so that only the surface of the tape melts in order not to affect the tightness of the product.

Safety

Wear hand gloves, safety shoes and goggles while using and handling the product.

Technical Specification

Color	Grey
Available width(s)	200mm & 300 mm
Thickness (approx.)	1mm
Material weight	950g/m ²
Breaking load DIN EN ISO 527-3, Longitudinal & Transverse (L&T)	12 N/mm ²
Elongation at break, DIN	>500%
Power Absorption at 25% Elasticity, Lateral, DIN ENISO527-3	4N/mm
Power Absorption at 50 % Elasticity, Lateral, DIN ENISO527-3	4.2N/mm
Resistance to Tearing (L&T), DIN EN 12310-2	>80 N
Resistance to Impact, DIN EN 12691	Passes test
Bond Strength, DIN EN 1248	>4N/mm ²
Fire Classification	B2
Shelf Life	24 months when stored in dry conditions
Packing	200mm x 20m, 300mm x 20m roll

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