

INNO-PROOF FOX COMBOTAPE

Insulation Tape for Elastic, Permanent Protection of Structural Dilatation, Joints and Cracks

Description

FOX COMBOTAPE is a high performance thermoplastic elastomer waterproofing tape developed as a flexible system for the closure and protection of dilatations, joints and cracks of structures. Its mechanical properties and chemical resistance have been developed to provide solutions to the building needs in a broad perspective. It is an excellent long-term solution that can be applied to all surfaces such as concrete, metal, PVC pipes.

Fields of Application

- Expansion and dilatation joints, steel, reinforcement and concrete cracks,
- In underground garages and multi-story parking terraces,
- In foundations, underground structures, flumes and tunnel segments,
- In pools, water tanks, silos and ponds,
- It is used in treatment plants.

Advantages

- It is applied quickly and easily.
- It has high elasticity.
- It is water and air impermeable.
- Resistant to harsh weather conditions, ozone and UV effects.
- It is permanently elastic, resistant to all kinds of movements and stresses of structures and building elements.
- It is odorless and highly resistant to chemicals.
- It is not affected by ambient temperatures, does not lose its flexibility in cold.
- It has high resistance to tearing.
- Resistant to plant roots.
- It can bond the joint with heat.
- Resistant to bacterial attacks and chemical degradation.
- It has high resistance to environmental effects and aggressive environments.
- It can stick the joint with **FOX EPOMORTAR FC510**.

Technical Properties

Structure of Material		Thermoplastic Elastomer
Weight of Material		0,930 g/m ²
Color		Grey
Adhesion Strength		with FOX EPOMORTAR FC510 >4,0 N/mm ²
Tensile Strength	Longitudinally	14 N/mm ²
	Transverse	14 N/mm ²
Tear Strength	Longitudinally	100 N
	Transverse	100 N
Elongation	Longitudinally	%1000
	Transverse	%1000
Elasticity Absorption	Longitudinally	%25
	Transverse	%25
Water Pressure Strength		>4,0 bar
Shore A Toughness		87
Service Temperature		-30°C / +90°C
Explosion Pressure		>4,0 bar
UV Resistance		6500 hours
Heat Source Temperature		1500 watt /340°C

The above values are given at +23°C and 50% relative humidity. High temperatures shorten the time, low temperatures lengthen the time.



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Chemical Resistance

Hydrochloric acid 3%	+
Sulfuric acid 35%	+
Citric acid, 100 g+	+
Lactic acid %5	+
Potassium hydroxide %20	+
sodium hypochlorite 0,3 g/l	+
Saltwater (20 g/l seawater salt)	+

Application Procedure

Substrate Preparation

In dilatation joints, care must be taken to ensure that the inner and outer surfaces are solid, dry, bearing, dust-free, clean, at the same time in balance, and smooth. The surface should be thoroughly cleaned of all kinds of oil, grease, rust and paraffin residues that will weaken the adherence and there should be no loose particles on the surface. Surface defects should be corrected with the **FOX EPOMORTAR FC510**. After the joints are filled with **FOX PURMAX® MASTIC** or **FOX PURSEAL PS600** mastic and cured, **FOX COMBOTAPE** is applied.

Application

FOX EPOMORTAR FC510 is applied 3 cm wider than the width of **FOX COMBOTAPE** on the outer surfaces of the dilatation joint. After **FOX COMBOTAPE** is placed on the joint, the second layer of epoxy adhesive is applied in the same way as the first layer. In order for **FOX COMBOTAPE** to achieve the desired elongation, it is necessary to remove the felt band in the middle, only in this way the desired elongation can be achieved. **FOX EPOMORTAR FC510** epoxy adhesive or hot welding is appropriate in cases where the tape is attached end-to-end.

Package

20 cm /1 mm 20 mt. Roll
20 cm /2 mm 20 mt. Roll
25 cm /1 mm 20 mt. Roll
25 cm /2 mm 20 mt. Roll
30 cm /1 mm 20 mt. Roll
30 cm /2 mm 20 mt. Roll

Storage

It should be stored in its unopened original package, in a cool and dry environment, protected from frost. For short-term storage, maximum 2 pallets should be placed on top of each other and the shipment should be made on a first-in, first-out basis. In long-term storage, pallets should not be placed on top of each other.

Safety Precautions

It is dangerous to approach storage and application areas with fire. Storage and application areas should be ventilated. During the application, work clothes, protective gloves, glasses and masks in accordance with the occupational and worker health rules should be used. During storage and application, it should not be contacted with the skin and eyes, in case of contact, it should be washed with plenty of water and soap, and if swallowed, a doctor should be consulted immediately. Food and beverage materials should not be brought into the application areas. It should be stored out of the reach of children. For detailed information, the Material Safety Data Sheet should be consulted.

Disclaimer

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