



High performance sealing tape for cracks, expansion and construction joints

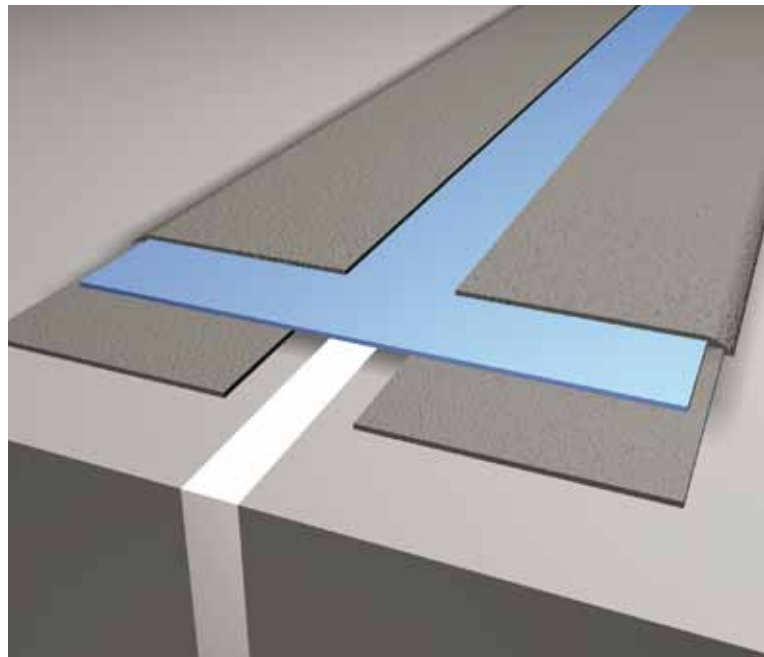
- **weather-resistant and permanent flexible**
- **high movement capacity**
- **thermal welding ensures secure, watertight joints**
- **excellent adhesion to the support**

PRODUCT DESCRIPTION

VANDEX FLEXTAPE E is a sealing tape made of FPO (flexible polyolefine). Extremely durable, it has excellent resistance to weathering and is UV stable. The bond to the substrate is achieved using a suitable adhesive.

PACKAGING

Rolls of 20 m (all types)



AREAS OF APPLICATION

The VANDEX FLEXTAPE E system bridges and seals expansion and construction joints as well as cracks in concrete constructions. The maximum permissible expansion under continuous load depends on the thickness of the tape and the width of the unbonded flex zone. The VANDEX FLEXTAPE E system is resistant to hydrostatic pressure on the active side. On the passive side, only in combination with a counterpressure structure. In presence of a negative water pressure up to 0.3 bar, there is no need for a counterpressure structure.



Expansion joints



Construction joints

LAP JOINT WELDING

Hot air welding ensures the elasticity of all VANDEX FLEXTAPE E connections.

Welding temperature: 320 °C

The minimum overlap at joints of the tape is 5 cm.

Before welding, roughen the contact area with sand paper.



Hot air welding

FLEXTAPE E

APPLICATION

1. The concrete surface to be covered must be sound, clean and free of dust, oil and grease. The laitance has to be removed.
2. Apply the adhesive as an initial coating to both sides of the joint or crack with a trowel or toothed comb. With expansion joints, an expansion zone of sufficient width is to be left free of adhesive.
3. Press the VANDEX FLEXTAPE E firmly into the adhesive. Any trapped air must be worked out. Where greater than

- normal movement is anticipated, it is advisable to leave some slack in the tape in the flex zone.
4. Float the final coating by trowel. In case of movement joints, a flex zone must be kept free of adhesive. In case of any necessary overcoating, the adhesive must be sprinkled immediately with quartz sand.
5. Protect VANDEX FLEXTAPE E against possible mechanical damage throughout application by appropriate means, such as sheet metal, rubber matting or polystyrene boards.



TECHNICAL DATA

VANDEX FLEXTAPE E		Unit	
Chemical bases of the tape			FPO (flexible polyolefines)
Surface structure			even
Colour			grey
Resistance against water pressure	DIN EN 1928 (B)	[bar]	> 4.0
Tear resistance	DIN EN ISO 527-3	[MPa]	> 10
Elongation at rupture, lateral	DIN EN ISO 527-3		> 800
Temperature resistance		[°C]	-30 up to +90
Max. permissible expansion under continuous load			thickness 1.0 mm thickness 2.0 mm
Pre-requisite: min. adhesive cover = 100 mm each side		[% of unbonded flex zone]	10 20
UV resistance		[h]	resistant
Fire rating	DIN EN 4102		B2
Chemical resistance			
Hydrochloric acid 3%			resistant
Sulphuric acid 35%			resistant
Citric acid 100 g/l			resistant
Lactic acid 5%			resistant
Potassium hydroxide 3%/20%			resistant
Sodium hypochlorite 0.3 g/l			resistant
Salt water (20 g NaCl/l)			resistant
System VANDEX FLEXTAPE E bonded with VANDEX FLEXTAPE ADHESIVE			
Chemical base of the adhesive			2-component epoxy adhesive
Adhesion strength		[N/mm ²]	> 3.3 (fracture in concrete)
Peel strength		[N/mm]	> 9.0

PACKAGING

Rolls of 20 m (all types)

Type	Thickness [mm]	Width [mm]	application recommended for:
100/1	1.0	100	cracks, construction joints
150/1	1.0	150	cracks, construction joints
200/1	1.0	200	cracks, construction joints
250/1	1.0	250	cracks, construction joints

Type	Thickness [mm]	Width [mm]	application recommended for:
300/1	1.0	300	cracks, construction joints
200/2	2.0	200	expansion joints
250/2	2.0	250	expansion joints
300/2	2.0	300	expansion joints

VXB341E0912

STORAGE

When stored in a dry place in unopened, undamaged original packaging, shelf life is 24 months (optimal storage conditions: 20 °C / 50% r. h.).



An RPM Company

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