

Vandex[®]

FLEXTAPE

High performance sealing tape for cracks, expansion and construction joints

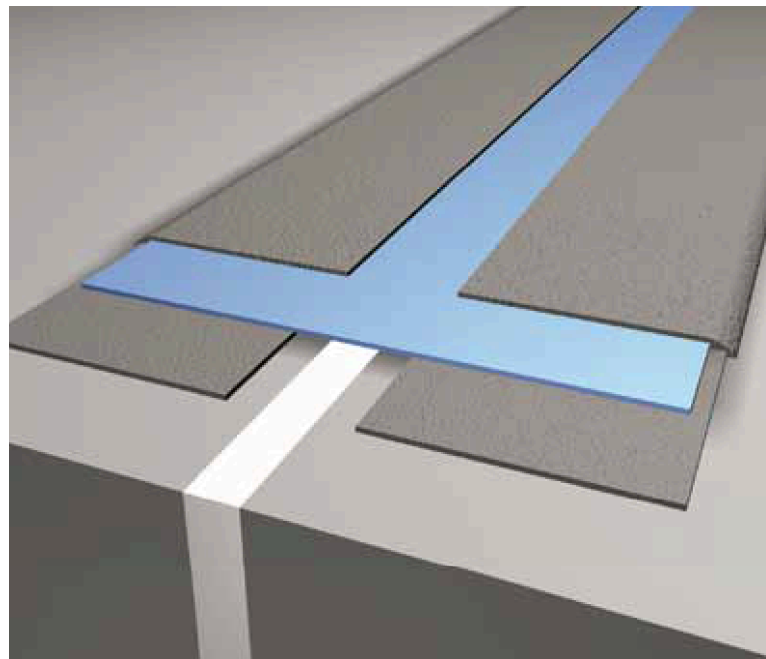
- **weather-resistant and permanent flexible**
- **high movement capacity**
- **thermal welding ensures secure, watertight joints**
- **excellent adhesion to the support**

PRODUCT DESCRIPTION

VANDEX FLEXTAPE is a sealing tape made of thermoplastic elastomer. 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 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 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.

CHEMICAL RESISTANCE

Good resistance to: aqueous bitumen slab waterproofing, water, lime water, sea water, domestic sewage, UV radiation, hydrolyses, microorganisms.

Limited resistance to: concentrated acid and base, organic solvents (carbon hydride, ester, ketones).



Expansion joints



Construction joints

LAP JOINT WELDING

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

Welding temperatures:

tape thickness 1.0 mm: 300 °C

tape thickness 2.0 mm: 350 °C

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



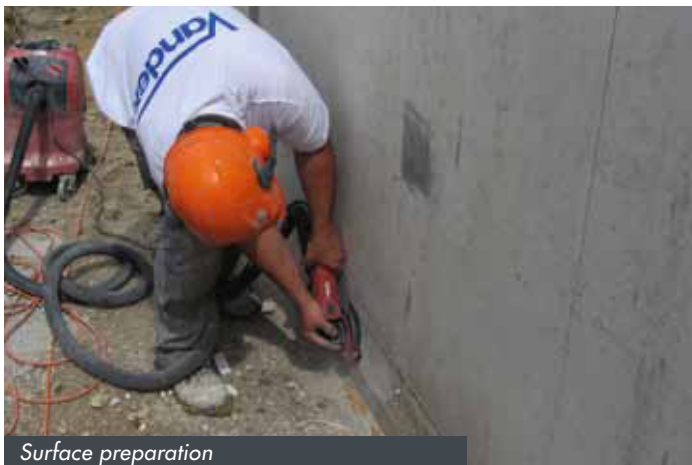
Hot air welding

FLEXTAPE

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 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 against possible mechanical damage throughout application by appropriate means, such as sheet metal, rubber matting or polystyrene boards.



TECHNICAL DATA

VANDEX FLEXTAPE	Unit	
Chemical bases of the tape		thermoplastic elastomer (TPE)
Surface structure		even
Colour		grey
Tear strength	[MPa]	> 10
Elongation at break, lateral	[%]	> 380
Cold-weather performance		up to -30 °C no cracks
Max. permissible expansion under continuous load		thickness 1.0 mm thickness 2.0 mm
Pre-requisite: minimum adhesive cover = 100 mm (on both sides)	[% of unbonded flex zone]	10 20
System VANDEX FLEXTAPE bonded with VANDEX FLEXTAPE ADHESIVE		
Chemical bases of the adhesive		2-component epoxy adhesive (rigid)
Adhesion strength	[N/mm ²]	>1.5 (fracture in the concrete)
Peel strength	[N/mm]	>2.0
System VANDEX FLEXTAPE bonded with VANDEX UNIFLEX NV		
Chemical bases of the adhesive		1 component MS polymer adhesive (elastic)
Adhesion strength at 23 °C, 50 % r h	[N/mm ²]	>0.8
Adhesion strength after 3 freeze/thaw cycles *	[N/mm ²]	>0.8
Adhesion strength after water storage	[N/mm ²]	>0.8
Peel strength after 3 freeze/thaw cycles *	[N/mm]	>2.0
Peel strength after water storage	[N/mm]	>2.0

* during curing period

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

STORAGE

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



CONCRETE PROTECTION AND WATERPROOFING

INTERNATIONAL SALES:

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