

High Performance Sealing Tape for Movement and Construction Joints

- permanent flexible waterproofing seal
- high elasticity depending on the thickness of the TAPE and width of the expansion zone
- thermal welding ensures secure, watertight joints

Material

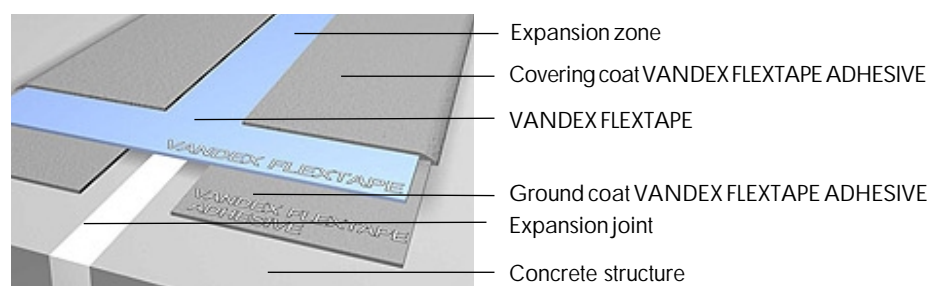
VANDEX FLEXTAPE is a thermoplastic elastomer (TPE). Extremely durable, it has excellent resistance to weathering and is UV and chemically stable. The bond to the substrate is achieved using VANDEX FLEXTAPE ADHESIVE an epoxy resin. No primer or activator is required.

Areas of Application

The FLEXTAPE System, comprising VANDEX FLEXTAPE and VANDEX FLEXTAPE ADHESIVE, bridges and seals expansion and construction joints, as well as cracks in concrete structures. The maximum permissible expansion under continuous load depends on the thickness of the tape and the width of the non bonded expansion zone. The VANDEX FLEXTAPE System is resistant to hydrostatic pressure on the active side. On the passive side, in combination with a counterpressure structure.

Application

1. The substrate must be sound, clean and free of dust, oil and grease. Sandblasting, high pressure waterjetting or grinding are recommended for the initial preparation. Any unevenness or other surface irregularities must be levelled off prior to application. At the time of application, the substrate must not exceed 4% (content by weight) moisture.
2. Apply the fully mixed VANDEX FLEXTAPE 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. The coating thickness of the VANDEX FLEXTAPE ADHESIVE depends on the roughness of the substrate and is usually about 1 to 2 mm.
3. Press the VANDEX FLEXTAPE firmly into the VANDEX FLEXTAPE ADHESIVE before it hardens. Any entrapped air must be worked out. Where greater than normal movement is anticipated, it is advisable to leave some slack in the TAPE in the expansion zone.
4. Float the final coating by trowel. With construction joints and cracks, the VANDEX FLEXTAPE can be covered completely with the VANDEX FLEXTAPE ADHESIVE. In the case of expansion joints, an expansion zone must be kept free of adhesive. In case of any necessary overcoating, the VANDEX FLEXTAPE ADHESIVE must be blinded with quartz sand.
5. Protect the VANDEX FLEXTAPE against possible mechanical damage throughout application by appropriate means, such as sheet metal, rubber matting or polystyrene slabs. The VANDEX FLEXTAPE must be protected against heat loads exceeding of 70°C.



VANDEX FLEXTAPE – Sealing of an expansion joint

