



FLEX-SEAL

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Non-Woven TPE Tape

Product Description:

Flex-seal is designed for flexible sealing and waterproofing of expansion and construction joints subject to movement cracks. The TPE band material is fused into Polyester nonwoven fabric for greater strength and waterproofing capability.

Areas Of Application:

- Flexible waterproofing seal of expansion joints subject to large amounts of movement in service.
- Sealing expansion joints in prefabricated panels.
- Sealing structural joints in facades.
- Sealing joints in hydraulic works, such as channels, basins, drains, pipework, etc.
- Waterproofing expansion joints in flat covering layers.

Surface Preparation:

All usual substrates, which are correctly prepared and suitable for use with the installation of waterproofing coating membranes. Fine, non-penetrative cracks on the surface of <0.1 mm is acceptable. Metallic surfaces should be rust free and clean before application of tape with suitable adhesive.

Application Guidelines:

Joint waterproofing, wall and floor junctions and bay defining movement joints:

Using the waterproof coating i.e. HYDROBLOC-2K/M, bond Flex-seal internal/external angles for use in corners, at the transition between wall and floor as well as interface joints, to the prepared area without voids or folds. Pipe penetration on floor and wall can be sealed with the required Flex-seal Pipe Sleeves sizes as per the fixing system.

Butt joints must be overlapped by 5 to 10 cm. Ensure that a water tight connection between the wall and the surface applied waterproof membrane is produced.

1. Coat both sides of the joint to be bridged with the waterproof membrane to a width of at least 2 cm wider than the waterproof tape, e.g., with a 4-6 mm notched trowel.
2. Then thoroughly work the joint tape, without voids or folds, into the waterproof membrane using a steel trowel or pressure roller. Ensure that, as far as possible, a full bed and wetting out is achieved. Bonding must be performed in such a way as to exclude the migration of water behind the joint tape.



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3. The joint tape is to be worked into the movement joint as a loop.
4. Overlap butt joints within joint tape sections or at interfaces with all joint tape pre-formed pieces and angles by a minimum of 5 to 10 cm and bond with the waterproof membrane, without voids or folds. Overcoat with the chosen waterproof coating membrane.

Coverage/ Consumption:

Tape Dimensions : 120mm width x 50m length
 Pipe Sleeves : 65mm to 120mm
 Joint-Tape-Corners : Internal angles 12 cm wide
 External angles 12 cm wide

Packaging:

50m or 10m per roll

Storage & Shelf life:

24 months when stored cool and dry, protected from sunlight and weather influences in its original packaging.

Technical Data:

Property	Value
Basis	Non-woven laminated TEP tape
Tape Dimensions	120mm width x 50m length
Melt Index to GB/T-3682	30 ± 5g /10 min
Density to ASTM-D-1505	0.5 ± 0.02 g/cm ³
Elongation to GB/T-1040	>500%
Tensile Strength to GB/T-1040	>1 MPa
Shore Hardness to ASTM-D-2240	50 ± 3 A
Shrinkage	<1%
Packaging	50m or 10m per roll
Joint-Tape-Corners	Internal angles 12 cm wide External angles 12 cm wide
Pipe Sleeves	From 65mm to 120mm