ANKIT POLYMERS

ELASTPRO™
ISO 9001 : 2015 Certified Company

FELT REINFORCED FLEXIBLE EXPANSION JOINT TAPE

(For Expansion/Contraction/Construction/Movement joints in civil structures)

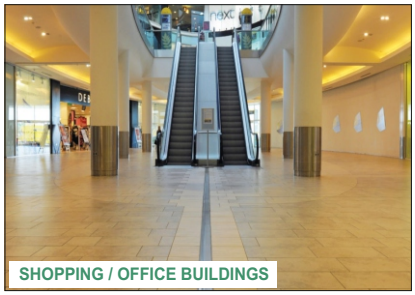
ElastPro Felt Reinforced Flexible Expansion Joint Tapes are made of thermoplastic elastomer material laminated with alkali resistant non-woven polyester fleece, designed specifically to provide insulation and waterproofing of high movement expansion gaps, suitable across various surfaces/substrates, providing water tightness. Highly flexible, root-proof, UV and chemical resistant.

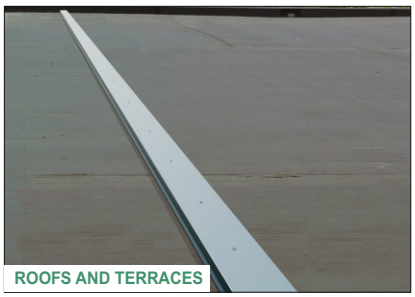
These tapes are pasted using 2-Component epoxy adhesives, suitable waterproofing liquids and cementitious mortar.

Thus significantly reducing application cost and increased efficiency.

APPLICATION AREAS


FACADES


SHOPPING / OFFICE BUILDINGS


ROOFS AND TERRACES


AIRPORTS

CAR PARKS / BASEMENTS


TUNNELS


POWER PLANTS


SWIMMING POOLS

- Waterproofing horizontal and vertical dilatation joints. Waterproofing wide and irregular cracks. Connection joints of slabs and walls.
- Suitable substrates are concrete, mortar, wood, metal, steel, aluminum, epoxy mortar, natural and artificial stones and many other building materials.

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ADVANTAGES

Highly flexible TPE material with fleece lamination.
Excellent adhesion, easy repairable and rupture resistant.
Root-proof, water, weather,UV and chemical resistant.

APPLICATION PROCEDURE

Surfaces must be clean, sound and dry. On damp surfaces the pull off strength should be tested. Dust, oil, grease, old coatings, laitance, efflorescence, rust, curing compounds, wax, formwork release oil and similar contaminants must be removed prior to application. Over Concrete surfaces if necessary the substrate must be sanded to guarantee optimal adhesion of ElastPro Adhesives. Verify the substrate has been properly cured. Concrete should obtain 80% of design strength, typically achieved within 3-14 days. Irregularities on the substrate must be repaired.

1. ElastPro Adhessives is applied to the prepared substrate on both sides of the joint so both sides of the tape are embedded into the adhesive on a width of at least 1½" (38mm).
   The layer thickness of the Adhesive should be approx. 0.08" (2.0mm).
2. The Tape is then immediately embedded into the fresh adhesive and pressed onto the adhesive using a hand roller or a similar suitable tool. Ensure the tape has good contact to the adhesive everywhere.
3. Then a second layer of Adhesive is applied on top of the Tape so that the edges of the tape are over coated on a width of min. 2" (50mm). Also, apply Adhesive so that it covers the substrate next to the tape on a width of at least 3/4" (19.0mm).

TECHNICAL FEATURES:

TEST	STANDARD	UNIT	VALUE
Tensile Strength (Transverse)	EN-ISO 527-3	MPa	4,7
Elongation at Maximum Load (Transverse)	EN-ISO 527-3	%	580
Tear Propagation Strength (Transverse)	EN-ISO 12310-2	N/mm²	48
Hardness	ISO 868	Shore A	55
Chemical Resistance	Water-based and bitumen-based foundation insulations, Sea water, Waste water, UV rays, Hydrolysis, Microorganism		
Colour	Grey, Blue		
Water Pressure Resistance	EN 1928	Bar	> 5
Cold Folding	SIA 280/3	-	No Cracking at -30°C
Service Temperature	SIA V280/3+4	-	30 / +80°C
Thickness		mm	1-1.5

PRODUCT CODE : TPE-TEX 200, 230, 250, 300, 400, 500.

PACKAGING : 30 M Roll

SHELF LIFE: 36 months unopened under suitable storage conditions (in a dry and cool environment, in its original packaging).

Manufactured and Marketed by :
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