GreenShield™ Expansion Joint Tapes are based on thermoplastic elastomer chemistry, designed for primary seal of high movement expansion gaps, suitable across various surfaces/substrates, providing water tightness, continuity of seal throughout changes in plane and direction including curves and corners.

Depending on the project, architects provide expansion joints across areas like split slabs, roofs, exterior walls, below grade/basements, podiums, and interiors. GS Expansion tapes have high degree of puncture resistance and elongation compared to traditional membrane-based joints, designed to safely absorb temperature induced expansion, contraction and vibration; holding parts together while allowing ground movement, resisting aging that leads to the weakening of the bond on the concrete.

The product is available in different types, sizes and colors suitable to a wide range of joint gaps, facilitating easy and quick application of the product.

TECHNICAL DATASHEET

GS TPE EJ Tapes

TPE EXPANSION JOINT TAPES

Features & Benefits

◇ Elongation of over 500%, provides ample safety margin across expansion joint movements

◇ Flexible across wide temperature - 40°C to 110°C

◇ Heat weldable along with mechanical fastening system allows fast installations - 500ft can be covered within 1 day

◇ Lightweight at < 1 kg/running meter.

◇ Moisture, Vapor, Water, Ozone, Heat, UV and weathering resistance

◇ 15 years warranty gives contractors, specifiers and owners long term confidence

◇ Good abrasion and wear resistance, high puncture and tear resistance

◇ Chemical resistant - resisting acids, alkalis, salt corrosion, bacteria, fungi

Packing, Storage & Coverage

ROLL DETAILS	GS TPE EJ Tapes are supplied in 25 mtrs or 50 mtr rolls, packed in corrugated liner and shrink-wrapped.
STORAGE	Store membranes in dry and clean conditions and in their original, closed wrapping away from sources of chemical contamination, damage, ignition sources and open flame. Shelf life is beyond 5 years. Exercise caution when lifting, moving, transporting, storage and handling to avoid puncture and physical damage.
COVERAGE	The dimensions of the membrane are calculated to cover the substrate, including seam overlaps. **Standard Seams:** 75 mm **Seams with mechanical anchoring:** 150 mm **Upstands:** additional length of 150 mm

Application Areas

◇ Split Slabs & Roofs

◇ Exterior Walls

◇ Podiums & Basements

◇ Interior Joints

◇ Parking Areas

◇ Roads & Bridges

GreenShield
Heatshielding & Waterproofing Your Roof

PROPERTY	GS TPE EJ Tapes Width: 100 / 200 / 300 / 500 / 1000 mm
Nominal Thickness (Average) | mm	Tapes: 1.0 / 2.0 ± 10 %
Tensile Strength | N/mm^2, MD/TD; ISO 527	5.5 Min 6.8 Typical
Elongation at Break | %, MD/TD; ISO 527	500 Min 600 Typical
Elongation at Break | %, MD/TD; ASTM D 412	60 Min 80 Typical
Service Temperature | °C	50 Min 70 Typical
Puncture Resistance | Kg; ASTM D751	-40 to 110
Peel Strength | N/mm; ASTM D 429	2 Min 3.5 Typical
Weather Resistance | KJ/(m^2.mm); ASTM G155	10,080 Min
Ozone Resistance | 100 pphm, 168 hrs; ASTM D 1149	No Cracks @ 7% Magnification
Resistance to Roots | SIA V280/11	No Root Penetration
Perforation Resistance (500g from dropped height) | mm; SIA C280/15	> 500

Note & Disclaimer: For latest updates and additional info, please consult our website at **www.greenshield.co.in**. Testing results and/or copies of Approval Documents for above mentioned membranes are available on request.

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is user responsibility to ensure that product is used and handled correctly and in accordance with applicable standards and recommendations and only for the intended purpose. We reserve the right to update information without prior notice to reflect ongoing research and development program. Country specific recommendations, considering local standards, practice codes, building regulations and industry guidelines, may effect installation recommendations. The supply of our products and services is subject to terms, warranties and exclusions available to you on request.

GreenShield
Heatshielding & Waterproofing Your Roof