

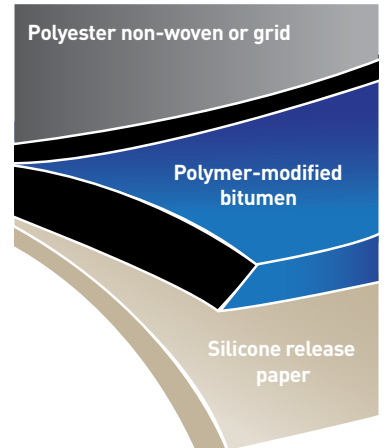


DUX Paving Tapes

DUX Roadtape and Roadgrid self-adhesive paving tapes complete the range of Southern Geosynthetic's pavement maintenance products.

ROADTAPE and **ROADGRID** are used in road, bridge and culvert applications for repairing small roadway areas, individual cracks and construction joints. Bitumen coated by DENSO in Australia, both exhibit exceptional adhesion, flexibility and toughness, and both are resistant to high temperatures so hot asphalt can be directly applied.

ROADTAPE is a composite of a polyester non-woven geotextile laminated to a bitumen polymer compound. Roadtape provides a primary sealing function and helps reduce reflective cracking.



Placing 150mm Roadtape



Roadtape

ROADGRID is a composite of high-modulus 50x50kN/m polyester grid laminated with polymer-modified bitumen. Roadgrid is supplied in 500mm wide tape to ensure 250mm coverage on either side of crack, which is shown to best mitigate stresses and reduce reflective cracking.

9 year field experience shows high-strength Roadgrid effectively reduces reflecting cracking on new asphalt overlays.



Before

Laying Roadgrid in Stewart St, Richmond 2011



After

Stewart St, 2019, not one crack



DUX Paving Tapes

Application

1. Surface must be clean, dry, smooth and free of irregularities. Damaged and dirty surfaces must be repaired and cleaned. Gaps greater than 5mm must be filled with an approved filler prior to laying Roadtape. Larger cracks should be patched with a suitable slurry or hot or cold mix asphalt.
2. On porous and dusty surfaces, apply Roadtape Primer or spray bitumen tack coat. Allow primer to dry well.
3. Roadtape must not be applied at temperatures lower than +5C. In cold conditions Roadtape may be "enlivened" by heating bitumen side of Roadtape with a gas flame.
4. Unroll the membrane and position it onto the prepared surface, as indicated above, and pull off the release paper. Finally, when the membrane is aligned correctly, press it firmly into position, which can be done using a roller.



PRODUCT PROPERTIES

Product Data	Roadtape non-woven PET geotextile laminated to a bitumen sheet	Roadgrid asphalt reinforcement grid laminated to a bitumen sheet
Raw Material	140gsm NW PET geotextile	50x50kN/m PET grid, 40x40mm mesh size
Coating	polymer-modified bitumen, 1.0kg/sqm	polymer-modified bitumen, 1.0kg/sqm
Mass	1.2kg/sqm	1.3kg/sqm
Thickness AS3706.1 (at 2kPa)	2.0mm (average)	1.8mm (average)
Adhesion to unprimed concrete (18C) ASTM D1000-04	21.93N/10mm	21.93N/10mm
Adhesion to unprimed bitumen (18C) ASTM D1000-04	21.93N/10mm	21.93N/10mm
Wide Strip Tensile Strength AS3706.2	7.8kN/m	>50kN/m
Wide Strip Tensile Elongation AS3706.2	>50%	<12%
Puncture Strength (8mm dia rod) ASTM D4833	340N (min.)	340N (min.)
Application Temperature ASTM D4833	+5 to +50C	+5 to +50C
Roll Size	150,250,300,500mm x 20m	500mm x 20m

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www.geosynthetics.com.au

Office: 1300 069 394 Melbourne: 0419 478 238 Brisbane: 0409 953 136