

GEOGRID GEOCOMPOSITE ENGINEERED FOR HIGH-STRENGTH PAVEMENT STABILISATION

GEOFABRICS GEOGRID TRITEX GEOCOMPOSITE

TECHNICAL DATA SHEET

Geofabrics® Geogrid™ Tritex geocomposite combines a premium non-woven geotextile and triaxial geogrid. These products are laminated together to create a high-performance geocomposite.

- Offers separation, filtration and aggregate interlock simultaneously
- Enhanced structural characteristics results in more economical construction, improved performance and longer life
- Improved cost benefits by reducing aggregate layer thickness, the need for excavation and increasing bearing capacity to allow for higher loads

GEOFABRICS GEOGRID TRITEX GEOCOMPOSITE TECHNICAL DATA

PROPERTY	TEST METHOD	UNITS	TRITEX 26
Polymer			Polypropylene
Carbon Black Content	ASTM D1603	%	2
Geogrid Property			
Typical Unit Weight	EOTA TR41 B.3	kg/m ²	0.25
Hexagon Pitch	EOTA TR41 B.4	mm	80 (±4)
Radial Secant Stiffness at 0.5% Strain	EOTA TR41 B.1	kN/m	390 (-75)
Radial Secant Stiffness Ratio	EOTA TR41 B.1	-	0.8 (-0.15)
Radial Secant Stiffness at 2% Strain	EOTA TR41 B.1	kN/m	290 (-65)
Junction Efficiency	EOTA TR41 B.1	%	100 (-10)
Geotextile Property			
Polymer			Polyester
Grab Tensile Strength (Q Value)	AS3706.2	N	≥ 700
Trapezoidal Tear Strength (Q Value)	AS3706.3	N	≥ 250
G Rating (Q Value)	Austrroads		≥ 1350
EOS Pore Size O95	AS3706.7	μ	≤ 180
Flow rate (Q100)	AS3706.9	l/m ² /s	≥ 50
Roll Dimentions			
Minimum Roll Width	-	m	3.95
Minimum Roll Length	-	m	50

Notes:

Characteristic value (Q) = Mean - 0.83 x standard deviation of the lot tested. Non-woven geotextile meets filtration classes 1-4 for TNZ F/7 : Specifications - Geotextiles. All quoted values and dimensions are typical unless stated otherwise.

The values published are to the best of our knowledge true and correct and are obtained through independent and in-house laboratory testing. The product specification may change at any time without prior notice. No warranty is expressed or implied. Manufactured in a facility certified to the ISO 9001 Quality Management System Standard.

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