



WATERPROOFING

APPLICATIONS

CIVIL ENGINEERING

# GEOLAND PP FR 500/1000

TECHNICAL DATA SHEET

ANZ-TDS-07-GEOLAND PP FR 500 /1000

## DESCRIPTION

**Geoland PP FR** geotextile range is a 100% polypropylene staple filament that is highly needed for the use of a wide range of geotechnical applications including separation, protection, filtration and drainage procedures. Geoland PP FR Non Woven geotextile is manufactured according to ISO 9001 quality standards.

## USE - APPLICATION

**Separation:** To prevent the transfer of particles between different layers. It prevents the contact between non compatible materials. It acts as permeable barrier only for water between soils of different structures.

**Protection:** It provides puncture resistance to waterproofing membranes.

**Filtration and drainage:** Transversal permeability allows the passage of the water through the material whilst retaining small particles.

**GEOLAND PP FR** is loose laid without tension and must be free from folds and wrinkles; place in direct contact with the substrate avoiding any gaps or voids between the substrate and the geotextile. Continuity between sheets is maintained by simple overlap, seams or thermo-welding.

## CHARACTERISTICS

Test Property	Test standard	GEOLAND PP FR 500	GEOLAND PP FR 1000
Wide Strip Tensile Strength	AS3706.2-12	44 kN/m	75 kN/m
Wide Strip Toughness	AS3706.2-12	15.5 kJ/m <sup>2</sup>	29.4 kJ/m <sup>2</sup>
Trapezoidal Tear Strength	AS3706.3-12	900 N	1490 N
CBR Burst Strength	AS3706.4-12	7500 N	9000 N
G Rating	Austrroads	8000	17000
Grab Tensile Strength	AS3706.2-12	2800 N	4200 N
Flow Rate @ 100mm head	AS3706.9	>80 L/m <sup>2</sup> /s	>40 L/m <sup>2</sup> /s
Pore Size (095)	AS3706.7	<75 Micron	<75 Micron
UV Resistance	ASTM D4355	80%	80%





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## STATEMENT OF RESPONSIBILITY

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DOCUMENT CONTROL	
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