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# GEOLAND PP FR

## 500/700/1000

TECHNICAL DATA SHEET

ANZ-TDS-64-GEOLAND PP FR 500/700/1000

### DESCRIPTION

GEOLAND PP FR 500/700/1000 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 500/700/1000 non-woven geotextile is manufactured according to ISO 9001 quality standards.

### FIELD OF 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.

### INSTALLATION PROCEDURE

#### INSTALLATION

- GEOLAND PP FR 500/700/1000 are 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.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

### PACKAGING

SPECIFICATIONS	GEOLAND PP FR 500	GEOLAND PP FR 700	GEOLAND PP FR 1000
Roll dimensions	6 m x 60 m	6 m x 60 m	2 m x 40 m 6 m x 20 m 6 m x 40 m
Roll weight	198 kg	241 kg	84kg / 126kg / 252 kg

### PROPERTIES

PROPERTIES	TEST METHOD	GEOLAND PP FR 500	GEOLAND PP FR 700	GEOLAND PP FR 1000
Mass	EN ISO 9864	>550 g/m <sup>2</sup>	>700 g/m <sup>2</sup>	>1000 g/m <sup>2</sup>
Tensile Strength at 5% Elongation	EN ISO 10319	>2.5 kN	>2.5 kN	>3.5 kN
Static Penetration Resistance (CBR)	EN 12236	>7.0 kN	>8.0 kN	>12.0 kN
Dynamic Perforation Resistance	EN ISO 13433	<10mm	<8mm	<6mm
Elongation (at failure)	EN ISO 10319	>10%	>10%	>10%
Reaction to Fire	EN 13501-1	Class E	Class E	Class E
Thickness (X) under Load	EN ISO 9863-1	100kPa, X > 3.1mm 200kPa, X > 2.7mm 500kPa, X > 2.1mm	100kPa, X > 3.1 mm 200kPa, X > 2.8 mm 500kPa, X > 2.4mm	100kPa, X > 3.5 mm 200kPa, X > 3.2 mm 500kPa, X > 2.6mm



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### STORAGE AND HANDLING

Rolls must be stored in the delivery packaging, in a dry and protected environment.

### STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, their representative and/or the contractor is responsible for checking the suitability of products for their intended use.



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