

# GEOLAND PP FR

## 500/700/1000

TECHNICAL DATA SHEET

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



ACCESSORY  
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### DESCRIPTION

GEOLAND PP FR 500/700/1000 is a geotextile fabric made of 100% highly needled polypropylene staple filament used for 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<br>6 m x 20 m<br>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<br>200kPa, X > 2.7mm<br>500kPa, X > 2.1mm | 100kPa, X > 3.1 mm<br>200kPa, X > 2.8 mm<br>500kPa, X > 2.4mm | 100kPa, X > 3.5 mm<br>200kPa, X > 3.2 mm<br>500kPa, X > 2.6mm |



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NOTE : All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

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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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