



**Texel**<sup>®</sup>  
BY/PAR ALKEGEN

# Texel Geo-9

**Reinforcing geocomposite for soils  
with low bearing capacity**

Technical Brochure

**ALKEGEN**



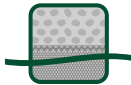





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**1. Multiple functions of geotextiles**

Texel Geo-9 is optimized to perform separation application on soft ground with fine particles ( $D_{50} < 70 \mu m$ ). The needlepunched nonwoven component of Texel Geo-9 provides mechanical and hydraulic properties that allows it to satisfy more than one function at a time. Particularities and principal functions of Texel geotextiles are given below.

	 Separation	 Filtration	 Filtration <70 $\mu m$	 Drainage	 Reinforcement	 Protection
C Series						
E Series						
F Series						
Texel Geo-9 R1						
Texel Geo-9 R2						

## 2. Texel's geotextile selection tool

Texel has developed a selection tool designed to determine the type of geotextile to use according to the project constraints and the surrounding granular materials. The following illustration presents an excerpt of the selection tool adapted for Texel geotextiles.

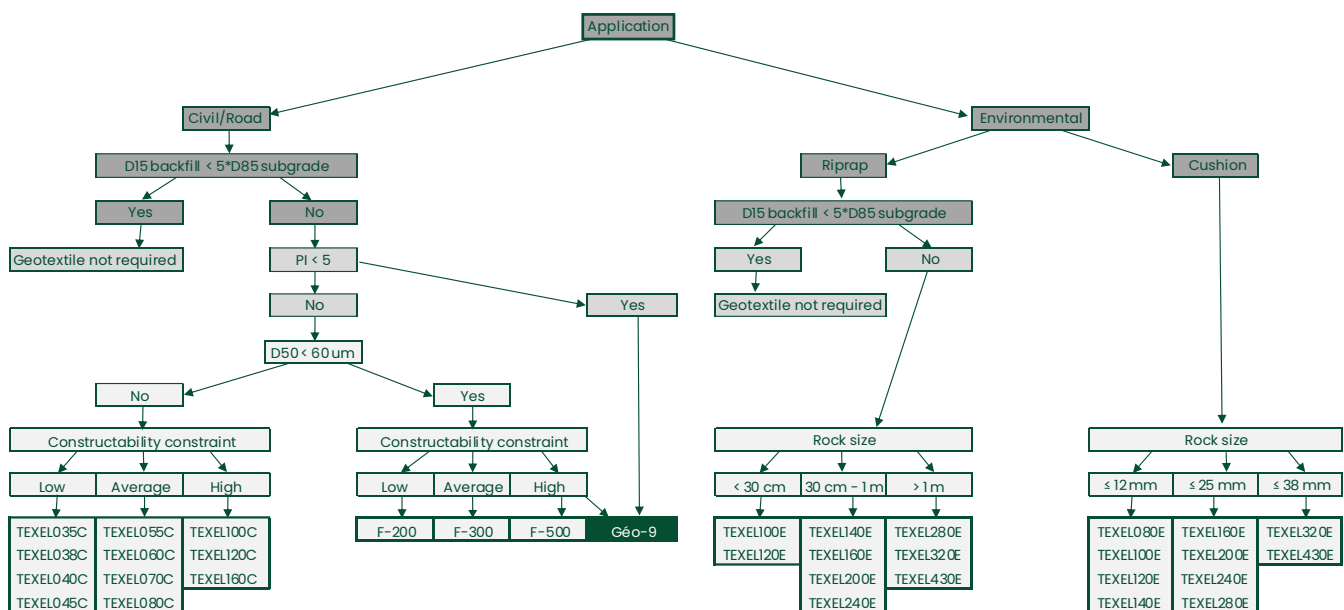


Figure 1 – Excerpt from the geotextile selection guide

### 3. Technical documents available for geotextiles

Granular non-surfaced roads built on compressible soil clearly have greater bearing capacity when they are reinforced by a geosynthetic in the soil's infrastructure.

Consult the following documents for Texel Geo-9 proofs of performance.

- Performance Brochure
- Texel Geo-9 Computation Tools
  - Bearing capacity tool
  - Financial assessment tool
  - Environmental assessment tool
- Texel Geo-9 Computation Tool Interpretation Document
- Product Cut Sheet
- Data Sheet
- Installation Guide
- Technical Specifications
- Standard Technical Drawings
- Site Inspection Guide
- Woven and Non-Woven Geotextile Comparison Guide

In addition to the information presented here, Texel also provides access to:

- An offer that goes far beyond your project thanks to our consulting services, technical support, and in-house training given free of charge;
- A research and development team that custom designs products that comply with the requirements of the many market imperatives.

NOTE: Design must always be carried out by the engineer responsible for the project. Any information, verbal or written, transmitted by Texel Matériaux Techniques, may under no circumstances be interpreted as being of a conceptual nature. All information must always be validated and approved by the engineer responsible for the project.

#### **WANT TO LEARN MORE?**

**Feel free to contact one of our representatives to discuss your project. 1 800 463-8929 | [texel.ca](http://texel.ca) | [info.geosynthetiques@alkegen.com](mailto:info.geosynthetiques@alkegen.com)**

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