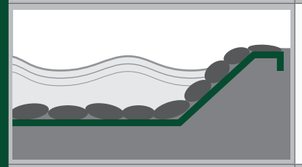
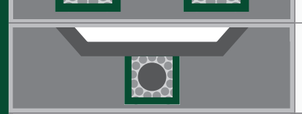
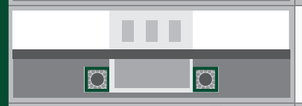
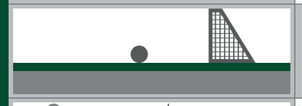
Selection Guide

Geotextile

	Applications		Functions S	R	F	P	D	I	Main factors affecting the conception of the project	Intensity constraints at the site	Proposed geotextile solutions: Mechanical	Hydraulic	
Roads and Transportation		Highways Roads (paved and unpaved) Boulevards Streets	X	X	X		X	X[1]	Type of soil (mechanical / hydraulic) Soil support (Infrastructure) Granular foundation Density and type of traffic Mechanical stresses Structures present Projected life expectancy	Very low Low Medium High	**TEXEL035C** **TEXEL045C** **TEXEL SX-60T** **Texel SX-90T** **Texel SX-130T**	**TEXEL080C** **TEXEL080E** **Texel Geo-9 R1**	**Texel Texdrain** **TEXEL PAVETEX SH[1]** **Texel Draintube**
		Parking lots Storage areas	X	X	X		X	X[1]					
Natural Resources and Energy		Riverbank protection Culverts Ditch channels Riprap protection Dikes and cofferdams	X		X	X			Type of soil (mechanical / hydraulic) Mechanical stresses Hydraulic requirements Type of rockfill - medium: 0-30 cm - high: 30-100 cm - very high: >100 cm	Medium High Very High		**TEXEL080C** **TEXEL100C** **TEXEL120C / TEXEL120E** **TEXEL160C / TEXEL160E** **TEXEL240E**	**Texel F-500**
		Concrete structures Viaducts and bridge abutments Guardrails Weirs Slabs and decks				X	X		Strength of concrete Aesthetic criteria Aggressiveness of the environment Climatic conditions and humidity	Low			**Texel Texcure** **Texel Drainaform** **Texel Texdrain**
Industrial and Waste Management		Embedding sheaths Drainage trenches French / agricultural drains Edge drainage screens	X		X		X		Type of soil (mechanical / hydraulic) Type of backfill Hydraulic requirements Liquid chemical composition Mechanical stresses	Low Medium	**TEXEL035C** **TEXEL040C** **TEXEL045C**	**Texel F-909**	**Texel Filtex** **Texel F-200** **Texel F-300** **Texel Texdrain**
		Leachate capture	X		X		X						
		Landfill cells Retention ponds Tailings ponds		X		X	X		Type of backfill Type and grade of geomembrane Mechanical stresses	Medium High Very High		**TEXEL080E** **TEXEL120E** **TEXEL240E**	**Texel Draintube**
Municipal and Landscape Architecture		Buildings Retaining walls Drainage under slab Green roofs	X		X		X		Type of soil (mechanical / hydraulic) Hydraulic requirements Liquid chemical composition Mechanical stresses	Low Medium High		**TEXEL080E** **TEXEL120E**	**Texel Texdrain** **Texel Draintube**
		Sports fields Golf courses	X		X		X		Type of soil (mechanical / hydraulic) Type of installation to be built Hydraulic requirements Mechanical stresses	Low Medium	**TEXEL045C**	**TEXEL080C**	**Texel Draintube**
		Landscape architecture Low walls Paving stones Pathways Bicycle paths	X	X			X		Type of soil (mechanical / hydraulic) Type of installation to be built Hydraulic requirements Mechanical stresses	Very low Low	**TEXEL035C** **TEXEL045C**		**Texel Draintube**

STANDARD PRODUCT WIDTHS

C SERIES	3.81 m / 4.57 m
TEXEL GEO-9 R1 & R2	4.00 m
E SERIES	3.81 m / 4.57 m
SX SERIES	3.81 m / 4.57 m / 5.33 m

[1] The proposed solution for the waterproofing function is the Texel Pavetex SH.

CUTTING AND SEWING SERVICE

We offer, upon request, a cutting and sewing service to adjust the width of the rolls to the needs of your daily applications, as well as a daily rental of equipment for sewing and installation of many of our geosynthetics.

* SCALE OF CONSTRUCTABILITY REQUIREMENTS

	Low	Medium	High	Very High
Tensile Strength	400 to 500 N	500 to 1 000 N	1 000 to 1 550 N	More than 1 500 N
Elongation at break	150 to 250 N	250 to 400 N	400 to 800 N	More than 800 N
CBR puncture	1 000 to 1 550 N	1 550 to 2 500 N	2 500 to 5 000 N	More than 5 000 N