

Selection Guide

Geotextile

	Applications	Functions						Main factors affecting the conception of the project	Proposed geotextile solutions			
									Intensity constraints at the site	Mechanical		Hydraulic
Roads and Transportation	 Highways Roads (paved and unpaved) Boulevards Streets	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 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					
Municipal and Landscape Architecture	 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
	 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