

Applications		Functions						Main factors affecting the conception of the project	Proposed geotextile solutions			
		SEPARATION	REINFORCEMENT	FILTER	PROTECTION	DRAINAGE	IMPERMEABILISATION		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	TEXELO35C TEXELO45C TEXEL SX-60T Texel SX-90T Texel SX-130T	TEXELO80C TEXELO80E 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		TEXELO80C 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 Drainiform 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	TEXELO35C TEXELO40C TEXELO45C	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		TEXELO80E 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		TEXELO80E 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	TEXELO45C	TEXELO80C	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	TEXELO35C TEXELO45C		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

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

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