

STABIDRAIN 20

Producer CE marking : 0334 CPR 0003
Fonction : Filtration + Drainage



DIMENSIONS	
Geospacer width	0,2 → 1,1 m
Geotextile width	Encircles the geospacer
Length	50 m

APPLICATIONS



- EN 13 249 - Roads and other trafficked areas
- EN 13 250 - Railways
- EN 13 251 - Earthworks, foundations and retaining structures
- EN 13 252 - Drainage systems
- EN 13 253 - Erosion control works (coastal protection, bank revetments)
- EN 13 254 - Reservoirs and dams
- EN 13 255 - Canals
- EN 13 257 - Solid waste disposals
- EN 13 265 - Liquid waste containment projects

CHARACTERISTICS	Standard	Nominal value	Unit	Tolerance
GEOSPACER : NO SENSITIVE TO WATER				
Polymer		HDPE		
Structure		Alveolar, thermoformed, isotropic and symmetric		
Thickness under 2 kPa	EN ISO 9863-1 ASTM D-5199	20	mm	±10%
Crush resistance	EN ISO 25619-2	275	kPa	-10%
	ASTM D-6364	5743	psf	-10%
Compressive creep under 100 kPa / 10 Years	EN ISO 25619-1	-5 % of the thickness under stress		
GEOTEXTILE : NO SENSITIVE TO WATER				
Product reference		SF37		
Certificate ASQUAL		2901 CQ 12		
Polymer		Polypropylene		
Manufacturing process		Nonwoven thermally bonded		
Position of the geotextile on the geospacer		A geotextile surrounding the géoespaceur on all its width		
Mass per unit area	EN ISO 9864 ASTM D-5161	125	g/m ²	±13
GEOCOMPOSITE : STABIDRAIN 20				
Opening Size O90 w	EN ISO 12956	130	µm	±39
Opening Size O95 D	ASTM D-4751	220	µm	
Water Permeability VH50	EN ISO 11058	0,05	m/s	-0,015
Permittivity	ASTM D-4491	1,2	1/s	
Dynamic Perforation Resistance	EN ISO 13433	33	mm	+6,6
Water flow capacity in the plane / Transmissivity	EN ISO 12958 ASTM D4716	Foam/ Foam i=1 ; 20 kPa ; 70x10 ⁻⁴	m ² /s	-14 x10 ⁻⁴
Tensile strength	EN ISO 10319	MD : 26,9	kN/m	-2,7
	ASTM D-4595	CMD : 26,1		-2,6
Durability in accordance with Annex B		To be covered within 2 weeks after installation. Predicted to be durable for more than 100 years in all natural soils with temperatures < 25 °C on the basis of a durability assessment (Typargeo Report 070)		
ADDITIONAL DATA ON THE GEOCOMPOSITE				
Mass per unit area	EN ISO 9864 ASTM D-5161	1350	g/m ²	± 10%