

ArmourFlow™

TECHNICAL DATA SHEET	TDS G 001 032
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DIMENSIONS	
Geospacer width	1,1 m
Geotextile width	1,30m
Length	25 m

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	12	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	-9 % of the thickness under stress		
GEOTEXTILE : NO SENSITIVE TO WATER				
Product reference		D100		
Certificate ASQUAL		Uncertified		
Polymer		Polypropylene		
Manufacturing process		Nonwoven thermally bonded		
Position of the geotextile on the geospacer		A geotextile on a face		
Thickness under 2 kPa	EN ISO 9863-1 ASTM D-5199	0,41	mm	±0,08
Mass per unit area	EN ISO 9864 ASTM D-5161	100	g/m ²	±10
Opening Size O90 w	EN ISO 12956	150	µm	±30
Water Permeability VH50	EN ISO 11058	0,08	m/s	-0,015
GEOCOMPOSITE				
Dynamic Perforation Resistance	EN ISO 13433	40	mm	+7
Water flow capacity in the plane / Transmissivity	EN ISO 12958 ASTM D4716	Foam/ Obturate i=1 ; 20 kPa ; 11,2x10 ⁻⁴	m ² /s	-2,3 x10 ⁻⁴
Tensile strength	EN ISO 10319 ASTM D-4595	MD : 18	kN/m	-2,34
		CMD : 18		-2,34
Durability in accordance with Annex B		To be covered within 2 weeks after installation. Predicted to be durable for more than 50 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	1051	g/m ²	± 10%

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