



# ArmourFlow™

## Data Sheet

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CHARACTERISTICS	STANDARD	NOMINAL VALUE	UNIT	TOLERANCE
GEOSPACER: NO SENSITIVE TO WATER				
Polymer	-	HPPE	-	-
Structure	-	Alveolar, thermoformed, isotropic and symmetric	-	-
Thickness under 2kPa	EN ISO 9863-1 ASTM D-5199	12	mm	± 10%
Crush resistance	EN ISO 25619-2 ASTM D-6364	275 5743	kPa psf	-10% -10%
Compressive creep under 100kPa/10 years	EN ISO 25619-1	-9% of the thickness under stress		
GEOTEXTILE: NO SENSITIVE TO WATER				
Product reference	-	D100 Uncertified Polypropylene Non woven thermally bonded A geotextile on a face		
Certificate Asqual	-			
Polymer	-			
Manufacturing process	-			
Position of the Geotextile on the Geospacer	-			
Thickness under 2kPa	EN ISO 9863-1 ASTM D-5199	0,41	mm	± 0,08
Mass per unit area	EN ISO 9864 ASTM D-5161	100	g/m²	± 10
Opening size O90w	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 D-4716	Foam/Obturate i=1; 20kPa; 11,2×10-4	m²/s	-2,3 × 10-4
Tensile strength	EN ISO 10319 ASTM D-4595	MD: 18 CMD: 18	kN/m	-2,34 -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 assesment (Typargeo Report 070)			
ADDITIONAL DATA ON THE GEOCOMPOSITE				
Mass per unit	EN ISO 9864 ASTM D-5161	1051	g/m²	± 10%
DIMENSIONS				
Geospacer width	1,1 m			
Geotextile width	1,2 m			
Length	25m			

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