

ARMOURFLOW™ FS6

GAS + WATER DRAINAGE SYSTEM

TECHNICAL DATA SHEET	002 006
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CHARACTERISTICS	STANDARD	NOMINAL VALUE	UNIT	TOLERANCE
GEOSPACER: CORE				
POLYMER	-	HDPE	-	-
STRUCTURE	-	Alveolar, thermoformed, isotropic and symmetric	-	-
THICKNESS UNDER 2kPa	EN ISO 9863-1	6	mm	±10%
CRUSH RESISTANCE	EN ISO 25619-2	500	kPa	-10%
COMPRESSIVE CREEP UNDER 100kPa/10 Years	EN ISO 25619-1	-9% of the thickness under stress		
GEOTEXTILE: FILTER				
POLYMER	-	Polypropylene		
MANUFACTURING PROCESS	-	Non woven thermally bonded		
POSITION OF THE GEOTEXTILE ON THE GEOSPACER	-	A geotextile surrounding the geospacer on all it's width		
MASS PER UNIT AREA	EN ISO 9864	125	g/m ²	± 13
OPENING SIZE O90w	EN ISO 12956	130	µm	± 39
GEOCOMPOSITE: GAS VENTING				
DYNAMIC PERFORATION RESISTANCE	EN ISO 13433	10	mm	+2,5
WATER FLOW CAPACITY	EN ISO 12958	Foam/Foam i=1; 20kPa; 1	10-3m ² /s	-0,3
WATER FLOW CAPACITY	EN ISO 12958	Foam/Foam i=0.1; 200kPa; 0,18x10 ⁻³ i=1; 100kPa; 0,9x10 ⁻³	m ² /s m ² /s(*)	-2,3 x 10 ⁻⁴ -20%
TENSILE STRENGTH	EN ISO 10319	MD: 20 CMD: 21	kN/m	-2,6 -2,73
TENSILE STRENGTH AT MAX STRENGTH	EN ISO 10319	MD: 45 CMD: 45	%	± 15/-9 ± 15/-9
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 4≤pH≤9 and temperatures <25°C on the basis of a durability assesment (Typargeo Report 070)			
ADDITIONAL DATA ON THE GEOCOMPOSITE				
MASS PER UNIT	EN ISO 9864	700	g/m ²	10%
DIMENSIONS				
WIDTH	0,50 m			
LENGTH	150m			

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