

ARMOURFLOW

PANEL DRAIN

TECHNICAL DATA SHEET	G 002 001
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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		
CERTIFICATE ASQUAL	-	Uncertified		
POLYMER	-	Polypropylene		
MANUFACTURING PROCESS	-	Non woven thermally bonded		
POSITION OF THE GEOTEXTILE ON THE GEOSPACER	-	A geotextile on a face		
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/m ²	±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; 11,2x10 ⁻⁴	m ² /s	-2,3 x 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/m ²	±10%
DIMENSIONS				
GEOSPACER WIDTH	1,1 m			
GEOTEXTILE WIDTH	1,2 m			
LENGTH	25m			

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