

Geotextile for filtration and scour protection



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Terrafix® B 609

Product description: Multi-layered needle-punched staple fibre nonwoven with a filling of quartz sand for application in hydraulic engineering

Property	Test Method*	Unit	Values
Total product:			
Mass per unit area	EN ISO 9864	g/m ²	5,650
Thickness (x-s)**	EN ISO 9863-1	mm	8.0
Cover layer, polypropylene (white)			
Mass per unit area	EN ISO 9864	g/m ²	300
Sand layer (quartz sand)			
Mass per unit area	EN 14196	g/m ²	approx. 4,700
Carrier layer (Terrafix 609)			
Raw material	-	-	polypropylene coloured
Mass per unit area	EN ISO 9864	g/m ²	642
Max. tensile strength (x-s)**, md/cmd***	EN ISO 10319	kN/m	≥ 12.0 / ≥ 12.0
Elongation at max. tensile strength, md / cmd***	EN ISO 10319	%	70 / 40
Resistance to static puncture loads on soil type 3	RPG of BAW	1200 Nm	yes
Resistance to abrasion loads	RPG of BAW	-	yes
Characteristic opening size	EN ISO 12956	mm	0.10
Water permeability	EN ISO 11058	m/s	3.75 x 10 ⁻²
- V _{I_{H50}} -Index		l/sm ²	37.5
- k _{10,H=50 mm}		m/s	2.86 x 10 ⁻³
Hydraulic filtration efficiency against soil type	RPG of BAW	-	1 / 2 / 3
Detector tested	-	-	no
Roll dimensions:			
Width x Length	-	m x m	4.80 x 30

*based on

***(x-s)* = average value-standard deviation

****md* = machine direction, *cmd* = cross machine direction

The listed technical values are guiding values, achieved in our laboratories and/or independent testing institutes. Our products are subject to changes without prior notice.