Geotextiles for filtration, erosion control and scour protection

Terrafix®

NAUE GmbH & Co. KG
Gewerbestrasse 2
32339 Espelkamp – Fiestel
Germany

Phone: +49 57 43 – 41 - 0
Fax: +49 57 43 – 41 - 240
info@naue.com www.naue.com

Product description: Needle-punched staple fibre nonwoven for application in hydraulic engineering according to TLG of the Federal Institute for Waterway Engineering (BAW), Karlsruhe

Property	Test method*	Unit	609	813
Raw material	-	-	polyester/polypropylene coloured	polypropylene coloured / polyester white
Mass per unit area	EN ISO 9864	g/m²	642	828
Thickness (x-s)**	EN ISO 9863-1	mm	5.3 / ≥ 4.5	6.7 / ≥ 6.0
Max. tensile strength (x-s)**, md / cmd***	EN ISO 10319	kN/m	≥ 12.0 / ≥ 12.0	≥ 12.0 / ≥ 12.0
Elongation at max. tensile strength, md / cmd***	EN ISO 10319	%	70 / 40	70 / 40
Resistance to static puncture loads on soil type 3	RPG of BAW	1200 Nm	yes	yes
Resistance to abrasion load	RPG of BAW	-	yes	yes
Characteristic opening size	EN ISO 12956	mm	0.1	0.08
Water permeability - VI_{H50}-Index - flow $rate_{H50}$ - $k_{10,H50}$	EN ISO 11058	 m/s l/sm² m/s	 3.75×10^{-2} 37.5 2.86×10^{-3}	 3.99×10^{-2} 39.9 3.82×10^{-3}
Hydraulic filtration efficiency against soil type	RPG of BAW	-	1 / 2 / 3	1 / 2 / 3 / 4
Detector tested	-	-	no	yes
Roll dimensions, width x length	-	m x m	5.80 x 50	5.80 x 50

**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.