
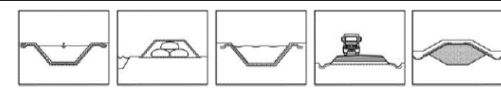


Technical Data Sheet

Product : GCL 5000 - H



Waterproofing Dep.

Sealing Layer (sodium-bentonite) (water content < 13%)		g/m ²	~ 5000
Mas per unit area (Din EN ISO 9864)		g/m ²	~ 55 00
Thickness in Dry Condition (EN ISO 9863-1)		mm	>6
Bentonite Characteristics			
Swell Index (ASTM 5890)		ml/2g	≥ 24
Fluid Loss (ASTM 5891)		ml	≥ 18
Moisture Content (DIN 18121)		%	≥ 13
Nominal Tensile Strength	MD	kN/m	≥ 10
(DIN EN ISO 10319)	CMD	kN/m	≥ 10
Strain at Nominal Tensile Strength	MD	%	≤ 20
(DIN EN ISO 10319)	CMD	%	≤ 20
Peel Strength	(ASTM 6496)	N/m	≥ 600
CBR Puncture Resistance	(EN ISO 12236)	N	2000
Hydraulic Conductivity	(K-value ASTM D 5887)	m/s	2 × 10 ⁻¹¹
Standard Roll Dimensions	(Width × length)	m × m	5.1×40
Certificate			
MAIN ADVANTAGES	High-performance sealing for groundwater protection, contaminated site remediation and hydraulic engineering		
Usage Application			
Category According to BS 8102 (2009)	Type A <input checked="" type="checkbox"/>	Type B <input type="checkbox"/>	Type C <input type="checkbox"/>

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