1023-CPR-0073F

TECHNICAL DATA SHEET

HyDra Tex 5000 C

Mechanically bonded composite, consisting of granulated bentonite, embedded and fixed between two layers of geo-textile.

Properties of geotextile	Test Method	Value
Carrier Layer - PP Woven	EN ISO 9864	130 g/m^2
Cover Layer - PP Nonwoven	EN ISO 9864	200 g/m^2

Properties of bentonite	Test Method	Value
Montmorillonite Content	CUR 33	75% min
Swell Index	ASTM D 5890	24 ml/2 g min
Fluid Loss	ASTM D 5891	18 ml max
Moisture Content	DIN 18121-1	12% max

Properties of GCL	Test Method	Value
Thickness	EN ISO 9863	7,4 mm
Mass per unit area of bentonite	EN 14196	5000 g/m^2
Mass per unit area of GCL	EN 14196	5330 g/m^2 (+/- 10%)
Tensile Strength MD	EN ISO 10319	10,4 kN/m (- 10%)
Tensile Strength CMD	EN ISO 10319	8,5 kN/m (- 10%)
Permeability	ASTM D 5887	1,8 x 10^{-11} (3,6 x 10^{-11}) m/s
Index Flux	ASTM D 5887	3,0 x 10^{-9} (6,0 x 10^{-9}) m^3/m^2/s
CBR Puncture Strength	EN ISO 12236	2,5 kN (- 10 %)
Peel adhesion to concrete	ASTM D 903 Mod	2,5 kN/m min
Peel Strength	ASTM D 6496	66 N/10cm (-10 %)

Standard Roll Dimensions	Test Method	Value
Width x Length	Typical	5,1 m. x 40 m.
Quantity	Typical	204 m^2

These data are average values derived from standard tests and are subject to usual product variation. The right is reserved to make changes without notice at any time.

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