TECHNICAL DATA SHEET

HyDra Tex 4000 X2

Mechanically bonded composite, consisting of granulated bentonite, embedded and fixed between two layers of geotextile and glued to a PE membrane (type A in accordance with EN 13967+A1:2012).

Properties of geotextile	Test Method	Value
Carrier Layer - PP Woven	EN ISO 9864	100 g/m^2
Cover Layer - PP Nonwoven	EN ISO 9864	200 g/m^2

Properties of Membrane	Test Method	Value
PE Membrane	PN EN 1849-2	0,2 mm
Watertightness	EN 1928	Pass

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

Properties of GCL	Test Method	Value
Mass per unit area of bentonite(1)	EN 14196	4000 g/m^2
Mass per unit area of GCL(1)	EN 14196	4500 g/m^2 (±4%)
Thickness	EN ISO 9863-1/-2	6,8 mm (±1mm)
Index Flux	ASTM D 5887	IMPERMEABLE
Permeability	ASTM D 5887	IMPERMEABLE
Tensile Strength MD	EN ISO 10319	≥ 10,4 kN/m (-10%)
Tensile Strength CMD	EN ISO 10319	≥ 10,4 kN/m (-10%)
Puncture Strength CBR	EN ISO 12236	≥ 1,8 kN (-10%)
Peel Adhesion to Concrete	ASTM D 903 (mod)	≥ 2,5 kN/m
Peel Strength(2)	ASTM D 6496	≥ 60 N/10cm (-10%)

Standard Roll Dimensions	Test Method	Value
Width x Length	Typical	5,1 m x 40 m (±1%)
Quantity	Typical	204 m^2

1. At 12% moisture content
2. Max peak

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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