

TECHNICAL DATA SHEET

EUROBENT 5000

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

Mass per unit area (average)

Carrier Layer	PP Woven	100 g/m ²
Inlay	Na-Bentonite	5.000 g/m ²
Cover Layer	PP Nonwoven	200 g/m ²
Total Product Weight	ASTM D 5993	5.300 g/m ² (+/- 10 %)

Bentonite Properties

Montmorillonite Content	CUR 33	≥ 75 %
Swelling Capacity	ASTM D 5890	> 24 ml/2g
Moisture Content	DIN 18121-1 / 18121-2	max 12 %

Physical Properties of the Composite

Thickness	EN ISO 9863-1 / 9863-2	7,4 mm
Index Flux	ASTM D 5887	3,0 x 10 ⁻⁹ m ³ /m ² /s (6,0x10 ⁻⁹ m ³ /m ² /s)
Permeability	ASTM D 5887	1,8 x 10 ⁻¹¹ m/s (3,6 x 10 ⁻¹¹ m/s)
Tensile Strength	MD EN ISO 10319	10,4 kN/m (- 10 %)
	CD EN ISO 10319	8,5 kN/m (- 10 %)
CBR Puncture Strength	EN ISO 12236	1,8 kN (- 10 %)
Peel Strength	ASTM D 6496	60 N/10 cm (- 10 %)

Durability:

-cover in installation day

-durability 25 years at natural base and pH between 4 and 9 and temperature < 25°C.

Standard Roll Dimensions

Length / Width


(40 x 5,1) m


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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