

## TECHNICAL DATA SHEET

### EUROBENT 4000

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 <sup>2</sup>
Inlay	Na-Bentonite	4.000 g/m <sup>2</sup>
Cover Layer	PP Nonwoven	200 g/m <sup>2</sup>
Total Product Weight	ASTM D 5993	4.300 g/m <sup>2</sup> ( +/- 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	6,6 mm
Index Flux	ASTM D 5887	2,0 x 10 <sup>-9</sup> m <sup>3</sup> /m <sup>2</sup> /s (4,0x10 <sup>-9</sup> m <sup>3</sup> /m <sup>2</sup> /s)
Permeability	ASTM D 5887	1,2 x 10 <sup>-11</sup> m/s ( 2,4 x 10 <sup>-11</sup> 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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