

## TECHNICAL DATA SHEET

### EUROBENT QC 3000

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	3.000 g/m <sup>2</sup>
Cover Layer	PP Swelling Nonwoven	200 g/m <sup>2</sup>
Total Product Weight	ASTM D 5993	3.300 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	5,8 mm
Index Flux	ASTM D 5887	4,0 x 10 <sup>-9</sup> m <sup>3</sup> /m <sup>2</sup> /s (7,0x10 <sup>-9</sup> m <sup>3</sup> /m <sup>2</sup> /s)
Permeability	ASTM D 5887	5,0 x 10 <sup>-11</sup> m/s ( 1,0 x 10 <sup>-10</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 % )

#### Durability:

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


<b>Standard Roll Dimensions</b>	Length / Width	( 40 x 5,1 ) m
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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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