

# TECHNICAL DATA SHEET

## HyDra Tex 5000 X4R

Mechanically bonded composite, consisting of pulverized or granulated bentonite, embedded and fixed between two layers of geo-textile and glued to a Radon blocking membrane.

Properties of geotextile	Test Method	Value
Carrier Layer - PP Woven	EN ISO 9864	100 g/m <sup>2</sup>
Cover Layer - PP Nonwoven	EN ISO 9864	200 g/m <sup>2</sup>
LLDPE, EVOH Membrane	EN ISO 9863-1	0,4 mm

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	7,8 mm
Mass per unit area of bentonite	EN 14196	5000 g/m <sup>2</sup>
Mass per unit area of GCL	EN 14196	5700 g/m <sup>2</sup> (+/- 10%)
Tensile Strength MD	EN ISO 10319	15,4 kN/m (- 10%)
Tensile Strength CMD	EN ISO 10319	15,4 kN/m (- 10%)
Permeability	ASTM D 5887	NOT MEASURABLE
Index Flux	ASTM D 5887	NOT MEASURABLE
Radon Transmittance P	SP Methode no 3873	< 3 x 10 <sup>-9</sup>
Peel adhesion to concrete	ASTM D 903 Mod	2,5 kN/m min
CBR Puncture Strength	EN ISO 12236	3,0 kN (- 10 %)
Peel Strength	ASTM D 6496	60 N/10cm (-10 %)

Standard Roll Dimensions	Test Method	Value
Width x Length	Typical	2,55 m. x 15 m.
Quantity	Typical	38,25 m <sup>2</sup>

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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