

TECHNICAL DATA SHEET

HyDra Tex 4000 C

Mechanically bonded composite, consisting of granulated bentonite, embedded and fixed between two layers of geotextile.

| Properties of geotextile | Test Method | Value |
|---------------------------|-------------|----------------------|
| Carrier Layer - PP Woven | EN ISO 9864 | 130 g/m ² |
| Cover Layer - PP Nonwoven | EN ISO 9864 | 200 g/m ² |

| 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 | ≤ 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 | 4330 g/m ² (±10%) |
| Thickness | EN ISO 9863-1/9863-2 | 6,6 mm (±1mm) |
| Index Flux | ASTM D 5887 | ≤ 3,0 x 10 ⁻⁹ (6,0 x 10 ⁻⁹) m ³ /m ² /s |
| Permeability | ASTM D 5887 | ≤ 1,8 x 10 ⁻¹¹ (3,6 x 10 ⁻¹¹) m/s |
| Tensile Strength MD | EN ISO 10319 | ≥ 10,4 kN/m (-10%) |
| Tensile Strength CMD | EN ISO 10319 | ≥ 8,5 kN/m (-10%) |
| CBR Puncture Strength | EN ISO 12236 | ≥ 2,5 kN (-10%) |
| Peel adhesion to concreto | ASTM D 903 Mod | ≥ 2,5 kN/m |
| Peel Strength ⁽²⁾ | ASTM D 6496 | ≥ 66 N/10 cm (-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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