

Spec. Sheet



non-woven polypropylene geotextile



woven polypropylene geotextile

RAWMAT[®] HDB Type P1 Structural (1m x 5m)

A factory prehydrated sodium bentonite membrane for the waterproofing of below ground structures in accordance with BS8102 : 1990 where no oversite blinding is used beneath the membrane.

SPECIFICATION

PRODUCT CODE MH0105PNMQA1

DESCRIPTION

A structural waterproofing membrane for use as a protective barrier to underground structures against the ingress of water and vapour in accordance with BS8102. Manufactured in accordance with a BSEN ISO 9001 scheme, the waterproofing membrane shall comprise a woven geotextile lower layer, a factory pre-hydrated natural sodium bentonite core and a non-woven needle punched geotextile upper layer. The natural sodium bentonite core shall be hydrated under factory conditions with liquid polymers using vacuum air extraction and high pressure die extrusion. The membrane shall be delivered to site as a composite and in a hydrated state with the bentonite core of modeling clay consistency.

CHARACTERISTICS

Roll Size: 1m x 5m
Core Thickness: 4.6mm* (Average)
Unit Weight: 8.5kg/m² ±10%

* When the material is measured no less than 5 times equidistantly over its entire width (cross directionally) no single reading shall be < 4.2mm.

PROPERTIES

NON-WOVEN NEEDLE PUNCHED GEOTEXTILE

Weight: 200g/m² (Average)
CBR Push Through Force: 1,900N (Minimum) BSEN ISO 12236:1996
Tensile Strength: 10kN/m (md) ISO/DIN 10319
10kN/m (cd) ISO/DIN 10319

WOVEN GEOTEXTILE

Weight: 100g/m² (Average)
CBR Push Through Force: 1,850N (Minimum) BSEN ISO 12236:1996
Tensile Strength: 18kN/m (md) BSEN ISO 10319
9kN/m (cd) BSEN ISO 10319

COMPOSITE MEMBRANE

Water Permeability: ≤5 x 10⁻¹¹ m/s based on ASTM 5887
Bentonite Content: 5kg/m² ±10%

BENTONITE

Bentonite Core: Natural Sodium Bentonite hydrated with liquid polymer
Montmorillonite Content: 90 % minimum
Free Swell (dried): 19ml ASTM D 5890-95
Water Absorption: 550 % (Average) ASTM D 5890

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