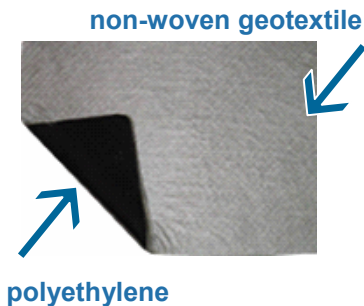


Data Sheet

Waterproofing Structural Waterproofing from Rawell



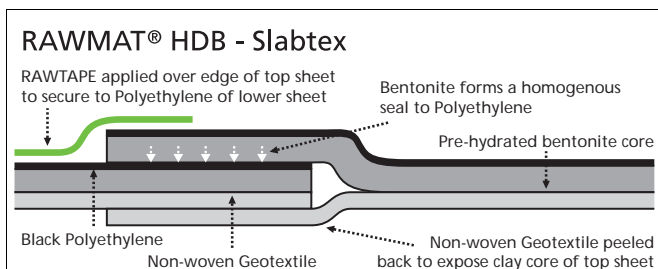
RAWMAT® HDB Slabtex1 Structural (1m x 5m)

A factory prehydrated sodium bentonite membrane for the waterproofing of base slabs in accordance with BS8102 : 1990.

INSTALLATION

All projects must be assessed on an individual basis as installation details may differ. For project specific recommendations contact the Technical Department at Rawell.

Installation may continue during light rainfall. The surface onto which the RAWMAT® HDB Slabtex1 is to be laid shall be a smooth compacted sub-base. The RAWMAT® HDB Slabtex1 shall be laid in underslab applications with the non-woven geotextiles side in contact with the prepared substrate and the polythene film side uppermost.



Sealed laps shall be achieved by locally peeling back the non-woven geotextile from the underside of the top sheet so that the clay core of the top sheet is in direct contact with the polythene side of the lower sheet this overlap to be a minimum of 100mm.

Under no circumstances shall the non-woven geotextile form part of the overlap seal.

Once the joints have been prepared in this way, the joint shall be sealed with the application of Rawtape 100 to seal all joints. This sealing will prevent premature wetting of the natural sodium bentonite clay core and allow longer exposure of the membrane to the weather conditions.

Where an immediate seal against hydrocarbons, contaminants or gases is required a liberal application of RAWPASTE Mastic to the surface of the clay core within the joint shall be made, prior to lapping. Any necessary penetrations through the RAWMAT® HDB Slabtex1 shall be sealed by the application of RAWPASTE Mastic, which is to be carried out in accordance with the manufacturer's instructions.

At no time during installation of the RAWMAT® HDB Slabtex1 or placing of the slab will plant or equipment be permitted to travel on the unprotected surface of the RAWMAT® HDB Slabtex1.

In the event of damage occurring to the RAWMAT® HDB Slabtex1 the damaged area shall be overlain by a patch of the RAWMAT® HDB Slabtex1 (with the non-woven geotextiles side removed) at least 150mm larger in all directions than the damaged area. The area to be overlain shall be cleared of all debris and swept clean. RAWPASTE Mastic shall be applied across the polythene, the patch is then placed in position with the black polythene side uppermost over the torn area. The edges of the patch to be sealed with Rawtape 100 and secured with Rawmat Soft Washer fixings (on vertical application only).

The leading edge of the RAWMAT® HDB Slabtex1 is to be wrapped in polythene at the end of the working day and weighed down to prevent displacement by wind.

When placing concrete, care shall be taken to ensure that the overlaps are not disturbed or displaced. The protection should be placed in the direction of the overlaps.



For details of Rawell products and services visit www.rawell.com where you can find more information suited to your specific needs, or call +44 (0) 151 632 5771

ADVANTAGES OF RAWMAT HDB

- ✓ No need for oversite blinding concrete
- ✓ Can be exposed much longer than other bentonite membranes
- ✓ Forms self sealing laps – taping joints allows longer exposure
- ✓ No extended curing or primers required – lay onto wet surfaces
- ✓ Simply nailed to the structure – self seals punctures
- ✓ Resists chemical attack but non toxic using no solvents VOC's
- ✓ Immediate gas & vapour barrier
- ✓ Simple to install no need for specialist labour
- ✓ 1m x 5m rolls reduce laps and increase speed laying

DESPATCH QUANTITIES

1 Roll = 1m X 5m = 5m² - Average Weight = 45 kg
 Approximate Roll Dimensions = 250mm Diameter x 1,005mm Width

1 Pallet Box = 30 Rolls = 150m² - Average Weight = 1,300kg
 Pallet Dimensions = 1,140mm x 1,140mm x 1,180mm

19 Pallet Boxes (2,850m²) capacity per 40 ft Road Trailer/Container
 18 Pallet Boxes (2,700m²) capacity per 20 ft Container

* Weight restrictions vary from country to country due to legislation.
 Please obtain confirmation from Rawell on territorial transport legislation.

HANDLING & STORAGE

RAWMAT[®] HDB Slabtex1 is rolled on 50mm cores. Each roll is individually sealed in airtight stretch film. The rolls are packaged on end into boxes, each box containing 30 rolls. The boxes are sealed with polythene box covers to weatherproof the box. Each box has a unique batch identification code.

The RAWMAT[®] HDB Slabtex1 shall be stored and handled strictly in accordance with the manufacturers instructions, given below Palletised boxes may be stacked two high in their unopened state.

The storage area shall be dry and stable. Any RAWMAT[®] HDB Slabtex1 damaged during the delivery, storage or handling shall not be incorporated in the works. Once opened the rolls must be stored under cover or protected with weatherproof sheets to prevent rain damage and drying out. Any part used roll can be re-wrapped and can be re-used if it has been protected in plastic to prevent moisture loss or saturation from rainfall.

All information contained within this document is given in good faith and is correct to the best of Rawell Environmental Ltd.'s knowledge. This information is not legally binding and may be changed at any time without notice.

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Slabtex ST1

Application of Slabtex ST1 to a horizontal surface

