

## JUMBOSEAL® 6000

### PRODUCT DESCRIPTION

JumboSeal® 6000 comprises of 100 % closed cell low density polyethylene foam laminated with high-density polyethylene film.

JumboSeal® 6000 Liner is designed to provide an easy to use moisture resistant membrane for use in concrete flooring.

The Liner is applied above or below a ground floor slab to stop ground moisture reaching the upper surface of the floor. This product is used under a floating floor as well as under a screed.

This combination is also resistant to mould, mildew, fungus and chemicals normally found in soil.

JumboSeal® 6000 not only has high compressive strength and a long life expectancy, it is extremely flexible and has an elongation break of over 40% therefore they are able to deal with structural movement thus providing a long lasting damp proofing solution.

### APPLICATIONS

It is designed as a low cost, easy to install solution to water storage, dams, porous soil or possible water table contamination

For basements- it is applied in between the protected wall and a false wall of which the backfill is in contact.

For retaining structures- it is placed between the wall and the backfill. It is however advised that soft sand is in contact with Jumbolene liner to avoid puncturing.

Waterways- The liner is placed at the bottom of the waterway while the cementitious layer covers and protects the liner.

## PHYSICAL CHARACTERISTICS

| ITEM                       | TEST METHOD                                  | DIRECTION | VALUE   |
|----------------------------|--|-----------|---|
| Compression Set            | ASTM D3575, Suffix B,<br>(50% compression)   | Vertical  | < 10%   |
| Compressive Creep          | (1000 hrs @ 23°C) ASTM<br>D3575<br>Suffix BB | Vertical  | <2.5% @20.5 kPa (2.93<br>psi)                       |
| Compressive Deflection     | ASTM D3575, Suffix D<br>@10%<br>@25%<br>@50% | Average   | 70 kPa (10psi)<br>80 kPa (12psi)<br>150 kPa (22psi) |
| Moisture Absorption        | ASTM D3575, Suffix L                         |           | <0.015 mg/cm <sup>2</sup>                           |
| Tensile Strength @<br>peak | ASTM D3575, Suffix T                         | Average   | 385 kPa (55psi)                                     |
| Tensile Strength           | ASTM D3575, Suffix G                         | Average   | 2.1 N/mm (11.66 lb/in)                              |

## INSTALLATION

Damp-proof liner is under the oversite concrete. The membrane is spread on a layer of comparatively dry concrete, clinker or ash which is spread and levelled over the hardcore.

The edges of the membrane are turned up the face of external or internal walls ready for concrete laying so that it may unite and overlap the DPC in walls.

The liner should be spread with some care to ensure that it is not punctured by sharp, upstanding particles in the blinding. A layer of sand can be used to create a smooth surface.

### When Specifying;

Product name: JumboSeal6000®

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