

**PMP31 Issue 1 June 2019**

## Construction Membranes

### Other Construction Membranes

#### Protect RP110

Protect RP110 is a multi-purpose, needlepunch nonwoven and vapour permeable membrane, designed to be a root protection and separation layer in inverted and 'green' flat roofing. Purpose-designed, it will also act as a separation layer on mechanically fixed, single-ply roofs and under domestic driveways. Protect RP110 is CE marked and produced in the UK.

Membrane to be 111g/m<sup>2</sup>, coming in roll sizes of; 1.12m, 1.48m x 50m. Water vapour transmission resistance to be: 0.02MNs/g (0.004 Sa) to BS EN ISO 12572 to meet permeability requirements recommended by TRADA and NHBC. Nail tear strength should be 200 (MD along roll) and 200 (CD across roll) to BS EN 12310-1 with mods and tensile strength should be 400 (MD along roll) and 400 (CD across roll) to BS EN 12311-1 with mods. Membrane to be grey with integral adhesive tapes available on each edge to make up wider widths on site.

Membrane to retain 90% of strength in regards to; weather resistance to EN 12224, resistance to acids and alkalis to EN 14030, oxidation to EN ISO 13438 and resistance to soil burial to EN 12225. Membrane to maintain a stable soil structure by building up a natural filter with permeability maintained. Membrane to be resistant to most alkalis and acids, organic solvents and electrolyte attack with high operational temperatures, not melting before 160°C.

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Product Reference: Protect RP110 root protection and separation membrane.