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## **Construction Membranes**

### **Vapour Control Layers & Airtightness Membranes**

#### **Protect FCM 750**

Protect FCM750 is an airtight and vapour permeable floor cassette membrane, specifically developed to provide a practical solution for maintaining the integrity of the airtightness system at difficult intermediate floor junctions. Entirely water resistant and airtight through the membrane itself, the product remains highly vapour permeable to minimise condensation formation at the vulnerable edges of the floor cassette. Protect FCM 750 is CE marked and produced in the UK.

Floor cassette membrane to be of triple ply construction with waterproof and vapour permeable core protected between two layers of nonwoven spunbond polypropylene. The membrane has been approved for use as factory or site-applied membranes in suitably designed timber frame walls and are considered to meet or contribute to meeting the minimum requirements of the Building Regulations in the UK and Ireland.

The mass of the membrane should be 125g/m<sup>2</sup>, in roll sizes of; 0.75m, 1.0m x 50m. Water vapour transmission resistance to be: 0.17MNs/g (0.022 S<sub>d</sub>) to BS EN ISO 12572 to meet permeability requirements recommended by TRADA and NHBC. The product's resistance to water penetration to BS EN 13111 should be Pass, Class W1. The membrane should have a hydrostatic head of water resistance of >2.0m. Nail tear strength should be 140 (MD along roll) and 198 (CD across roll) to BS EN 12310-1 with mods and tensile strength should be 225 (MD along roll) and 160 (CD across roll) to BS EN 12311-1 with mods. Membrane should be grey on the upper surface and white/grey on the under surface and be printed with branding for ease of identification. Floor cassette should be airtight sealed by installing the membrane with sealed laps.

**Manufacturer:** Protect Membranes, a division of Building Product Design, 2 Brooklands Road, Sale, Cheshire, M33 3SS, United Kingdom. Tel: +44 (0)161 905 5700, Fax: +44 (0)161 905 2085. E-mail: info@protectmembranes.com Website: www.protectmembranes.com/fcm750 STA Assured Gold accredited company and associate members of the Structural Timber Association and the Modular and Portable Build Association.

Product Reference: Protect FCM750 Floor Cassette Membrane.



## Accessories

Protect range of sealing tapes to help reduce uncontrolled air leakage in all forms of building construction.

### **Protect Reveal Tape:**

Single-sided, high-tack, durable and woven reinforced reflective tape, for dressing into awkward details without tearing. Performs the airtightness function between internal AVCL and external membrane in and around doors and window reveals.

### **Protect Reflective Reinforced Tape:**

Single-sided, high-tack, reflective aluminium spun bond reinforced tape. Designed for sealing overlaps of timber frame membranes, air barriers and vapour control layers and for sealing around service penetrations. Can be used for internal or external applications.

### **Protect Reinforced Universal Tape:**

Single-sided, high-tack, UV and heat stabilised spun bond reinforced tape. Designed as general purpose tape for sealing overlaps of timber frame membranes, air barriers and vapour control layers. Can be used for internal or external applications.