protect

TF200 THERMO LOW EMISSIVITY INSULATING BREATHER MEMBRANE

Protect TF200 Thermo is a robust, highly reflective, insulating breather membrane which has been developed to enhance the thermal performance of timber frame walls and offers Class 1 surface spread of flame to BS 476-7. It provides a significant thermal benefit along with strength and performance enhancements over other reflective breather membranes.

Produced in the UK of triple ply construction, Protect TF200 Thermo's innovative design provides a highly reflective yet vapour permeable, low



emissivity outer layer. When installed into an unventilated airspace it effectively blocks infra red radiation, enhancing the thermal performance of the airspace and hence the overall U-value of the wall.

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It has been proven in use for over eight years within timber frame constructions, providing reliable weather protection and thermal performance enhancement.

> Thermal resistance R-value 0.77m²K/W

BENEFITS

- Resists the passage of water, wind blown snow and dust into the interior of the building.
- Low emissivity reflective surface enhances the thermal performance of the wall.
- Helps to meet the requirements of Approved Document Part L and Scotland Part J.
- Corrosion and damage resistant reflective surface.
- UV and heat stabilised.
- Good nail tear resistance compared with alternative membranes.
- High burst strength, tough and durable.
- Unaffected by conditions found in timber frame walls.
- Meets the permeability requirements recommended by TRADA and NHBC.
- BM TRADA independently certified for all applications.

TE200 THERMO

Dimensions

Roll sizes: 0.3m, 0.6m, 2.7m and 3.0m x 100m. 1.5m x 50m.

Roll weights: 4.59kg, 9.18kg, 41.31kg, 45.90kg. 11.70kg.

Appearance

High purity aluminium micro perforated upper surface and embossed lower surface.

Compatibility

As with all nonwoven spunbond materials do not lay in direct contact with undried timber preservatives (whether water or solvent based).

For more information visit www.protectmembranes.com/tf200thermo

membrane to be Protect TF200 Thermo supplied by Protect Membranes, 2 Brooklands Road, Sale, Cheshire M33 3SS. Tel: 0161 905 5700 Fax: 0161 905 2085. Email: info@protectmembranes.com

Specification clause: Timber frame breather

Breather membrane to be non-woven PP core, with a permeable high purity aluminium foil layer with a thermal resistance of 0.77m²K/W (aged incorporates printing) and a vapour resistance of 0.45MNs/g. Breather membrane to be fitted into wall in accordance with TRADA recommendations and manufacturer's instructions.

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Wall heat flow	Airspace (mm)	Unventilated airspac With no special treatment (m²K/W)	e: With Protect TI facing into airs			ent with 200 Thermo
Horizontal	>20	0.18	0.77*		328 %	
PERFORMAN	CE					
			MD (along ro	oll) CD (ad	cross roll)	
Nail tear strengt	h (N) to EN 12	2310-1 with mods	160		160	
Tensile strength	(N/50mm) to E	N 12311-1 with mods	229	:	226	
Water vapour res	sistance (MNs	/g) to BS EN ISO 12572		0.45		
Thermal resistan	ce (m²K/W) to	BS EN ISO 8990 (incorpo	rates printing)	0.77* (aged)	1	
Emissivity of the	surface (ɛ) un	aged to BS EN 15976		0.02**		
Emissivity of the	surface (ɛ) ag	ed to BS EN 15976		0.03**		
Weight (g/m²)				150		
Resistance to wa	ater penetratic	on to BS EN 13111	Pass (Class W2	No leakage	

* Independently tested by National Physical Laboratories (NPL) in a typical UK house timber frame wall cavity and verified by BM TRADA. ** Independently tested by a European notified laboratory.

Related products

Protect VC Foil Ultra membrane: www.protectmembranes.com/vcfoilultra Protect TF InterFoil breather membrane: www.protectmembranes.com/tfinterfoil

Stockist's stamp

STRUCTURAL TIMBER ASSOCIATION Member





PROTECT MEMBRANES

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Protect Membranes maintains a policy of continuous development and reserves the right to amend product specifications without notice.











Top tip

TF200 Thermo,

TF InterFoil and

efficiency and

cost savings.

