

Protect TF200 THERMO

Technical Data Sheet

PRODUCT



USES

Protect TF200 THERMO is a high performance timber frame membrane with high tear strength, water resistance and vapour permeability. With all the benefits of TF200 membrane, but with the addition of a highly reflective surface enhancing the thermal performance of the final wall construction.

FEATURES & 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
- UV and heat resistant
- BM TRADA independently certified
- Helps to avoid condensation risk within the wall construction complying with BS5250
- Good nail tear resistance compared with alternative membranes
- Unaffected by conditions found in timber frame walls

PRODUCT DETAILS

Protect TF200 THERMO provides a highly reflective yet permeable low emissivity layer. When installed facing into an unvented airspace this effectively blocks infra red radiation and enhances the thermal performance of the airspace and hence the overall U-value of the wall construction. Thermal resistance has been tested in accordance with BS EN 8990.

PERFORMANCE			MD (along roll)	CD (across roll)
Nail Tear Strength (N) to EN 12310-1 with modifications			160	160
Tensile Strength (N/50mm) to EN 12311-1 modifications			229	226
Water vapour resistance (MNs/g) to BS EN ISO12572			0.55	
Thermal Resistance (W/m²K) Independently tested by NPL			0.77	
Weight (g/m²)			150	
Improvement in thermal resistance values using Protect TF200 Thermo				
Wall heat flow horizontal	Airspace (mm)	Unventilated airspace: No special treatment (m²K/W)	Protect TF200 Thermo facing into airspace (m²K/W)	Improvement with Protect TF200 Thermo
>20		0.18	0.77	272%

Size

TF200 Thermo roll sizes;
1.5mx50m, 2.7mx100m & 3.0mx100m

