

# TF200®

## BREATHER MEMBRANE FOR TIMBER FRAME WALLS

**P**rotect TF200® is a high performance, water resistant membrane with high wet strength and water vapour permeability. Protect TF200 is both CE marked and BM TRADA certified and is used as an external breather membrane in timber framed panels, Structural Insulated Panels (SIPs), Cross Laminated Timber (CLT) panels and steel frame construction.

Protect TF200 provides a primary line of protection to the whole of the external wall, including joints, sole plate and intermediate floor zones during the construction process and a second line of protection against rainwater penetration during the life of the building after the external masonry is built. The membrane is positioned on the cold side of the insulated panel to minimise the risk of condensation within the structure and to allow water vapour to escape into the vented cavity.



### BENEFITS

- Resists the passage of water, wind blown snow and dust into the interior of the building.
- UV and heat resistant.
- BM TRADA independently certified.
- Helps to avoid condensation risk within the wall construction complying with BS 5250 and NHBC requirements.
- Easy to cut and handle.
- Much more permeable than recommended by TRADA and STA for wall membranes.
- Good nail tear and tensile strength.



## PRODUCT DESCRIPTION

### Sizes

Roll widths: 0.54m, 1.35m, 2.7m and 3.0m.

Roll length: 100m.

Roll total areas: 54, 135, 270 and 300m<sup>2</sup>.

Roll weights: 5.4, 14, 28 and 31kg.

### Appearance

Embossed upper and lower surface.

Colours: anthracite, blue, red, green.

Colours available in selective sizes.

Please check availability prior to ordering.

Bespoke printing available.

### Compatibility

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

### Specification clause

Vapour permeable membrane to be Protect TF200 high performance spunbonded polypropylene supplied by Glidevale Protect, 2 Brooklands Road, Sale, Cheshire, M33 3SS.  
T: +44 (0)161 905 5700.  
F: +44 (0)161 905 2085.  
Email: info@glidevaleprotect.com  
Membrane to be of anthracite/blue/red/green\* nonwoven spunbond construction with a weight of 100g/m<sup>2</sup> and having the following characteristics:  
Water resistance Class W2 (no leakage - aged), vapour resistance 0.03 MNs/g / 0.005 S<sub>d</sub> to BS EN ISO 12572. Breather membrane to be fitted onto the wall on the cold side of the insulation in accordance with TRADA recommendations and manufacturer's instructions.  
\*delete as applicable.

For more information visit

[www.protectmembranes.com/tf200](http://www.protectmembranes.com/tf200)

## PERFORMANCE

	MD	CD
Nail tear strength (N) to EN 12310-1 with mods	230	245
Unaged tensile strength (N/50mm) to EN 12311-1 with mods	220	225
Aged tensile strength (N/50mm) to EN 12311-1 with mods	185	187
Weight	100gsm	
Flexibility at low temperature	-40°C	
Water vapour resistance to EN ISO 12572	0.03 MNs/g / 0.005 S <sub>d</sub>	
Resistance to water penetration to BS EN 13111	Pass	Class W2 No leakage (aged)

MD = machine direction (along roll), CD = cross direction (across roll).

UV and heat ageing conditions: UVA lamps at 50°C for 336 hours followed by heat ageing at 70°C for 90 days.

### Related products

Protect BarriAir AVCL membrane: [www.protectmembranes.com/barriair](http://www.protectmembranes.com/barriair)

Stockist's stamp

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



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