

# TF200®

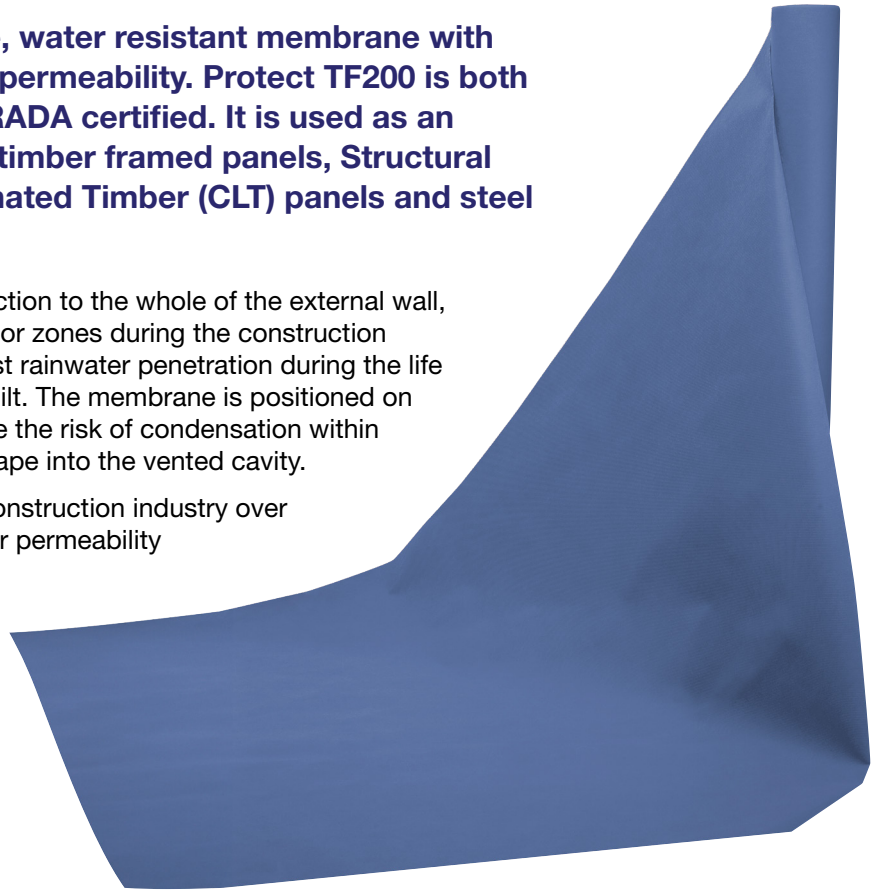
BREATHER MEMBRANE FOR EXTERNAL WALLS

**Protect TF200 is a high performance, water resistant membrane with high wet strength and water vapour permeability. Protect TF200 is both UKCA and CE marked, and is BM TRADA certified. It is used as an external breather wall 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.

Offering tried and tested performance in the construction industry over many years, Protect TF200's high water vapour permeability helps control the risk of interstitial condensation within the wall structure, giving reassurance to specifiers and contractors alike.

Protect TF200 has achieved independently verified Environmental Product Declaration (EPD) certification, providing specifiers with clear sustainability and life cycle assessment data.



## 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 vapour permeable than minimum recommendations by TRADA and the Structural Timber Association (STA) for external wall breather membranes.
- Good nail tear and tensile strength.
- Third party verified and certified EPD available.
- Achieves watertightness Class W2 (no leak) to conform with NHBC Standards.
- Available in a variety of standard colours and widths to suit on-site or factory installation.
- Co-branded printing available on 2.7m and 3m wide membrane.



# TF200<sup>®</sup>

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## Description

Protect TF200 is manufactured by extruding polypropylene to produce fibres which are then spun and bonded together using a combination of heat and pressure in a continuous process.

## Dimensions

Roll size:	Roll weight:
0.54 m x 100 m (54 m <sup>2</sup> )	5.4 kg
1.35 m x 100 m (135 m <sup>2</sup> )	14 kg
2.70 m x 100 m (270 m <sup>2</sup> )	28 kg
3.00 m x 100 m (300 m <sup>2</sup> )	31 kg

## 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).

For more information visit: [glidevaleprotect.com/tf200](https://glidevaleprotect.com/tf200)

## Specification clause:

Vapour permeable membrane to be Protect TF200 high performance spunbond polypropylene supplied by Glidevale Protect, 2 Brooklands Road, Sale, Cheshire M33 3SS.  
T: +44 (0)161 905 5700  
F: +44 (0)161 905 2085  
E: [info@glidevaleprotect.com](mailto:info@glidevaleprotect.com)

External wall breather 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 / 0.005S<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.



PERFORMANCE TO BS EN 13859-2:2010		
	MD	CD
Nail tear strength (N) to BS EN 12310-1 modified to BS EN 13859-2	230	245
Unaged tensile strength (N/50mm) to BS EN 12311-1 modified to BS EN 13859-2	220	225
Aged tensile strength (N/50mm) to BS EN 12311-1 modified to BS EN 13859-2	185	187
Water vapour resistance to BS EN ISO 12572	0.03 MNs/g / 0.005 S <sub>d</sub>	
Flexibility at low temperature to BS EN 1109	-40°C	
Weight (g/m <sup>2</sup> ) to BS EN 1849-2	100	
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 aging 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: [glidevaleprotect.com/barriair](https://glidevaleprotect.com/barriair)

Protect TF200 Extreme breather membrane: [glidevaleprotect.com/tf200extreme](https://glidevaleprotect.com/tf200extreme)

Environmental Product Declaration available from: [glidevaleprotect.com/epdtf200](https://glidevaleprotect.com/epdtf200)



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Glidevale Protect

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Glidevale Protect maintains a policy of continuous development and reserves the right to amend product specifications without notice. The company is a division of Building Product Design Ltd. Company registration 3944123. Printed on sustainably sourced paper.

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