



Built on Tradition,
Driven by Innovation
Since 1792

Proshield®

Stick with the Membrane Pros

In response to the growing demand for enhanced thermal performance in modular and high-rise construction, Don & Low presents Proshield®. This **KIWA**-certified, self-adhesive, vapour-permeable and airtight membrane is designed for walls and floors, helping deliver a fully airtight building envelope. With high tensile strength and fast, effortless installation, Proshield® is also available in **custom prints** to suit your business requirements.

Airtight, the Peel & Stick Way!



www.donlow.co.uk



An Advanced Self-adhesive, Vapour-permeable Air barrier Membrane for Walls and Floors

Independently certified by **KIWA**, Proshield® delivers high-performance protection while optimising energy efficiency in walls and floors.

Ease of Installation

Proshield® is fully self-adhesive and bonds to Calcium Silicate, Fibre Cement, OSB, steel, gypsum board, concrete, aluminium and wood, negating the requirement for nailing, taping or any additional primer, which significantly reduces both air loss and time taken to install. Proshield® is suitable for walls and floors, while its grid design further simplifies installation.

Class B-s1,d0 Fire Resistance

When adhered to a suitable substrate and tested in accordance with BS EN 13501-1, Proshield® achieves a fire resistance classification of B-s1,d0*. Current regulations mandate that membranes attain at least a class B-s3,d0, a requirement that Proshield® surpasses.

Vapour Permeability

The high vapour permeability of Proshield®, with a vapour resistance of 0.49 MNs/g and an Sd-value of 0.098m, allows moisture to escape quickly, effectively preventing issues such as mould and condensation buildup, enhancing the longevity of modular and high-rise structures.

Airtightness

The air tightness of Proshield prevents both interior air leakage (whether heated or cooled) and exterior air infiltration, which puts pressure on internal heating and/or cooling systems, significantly improving the energy performance of the building envelope.

High tensile strength

Proshield® is a 3-layer membrane that boasts an adhesive coating on one side, a transparent silicone-coated PET release liner, and weighs 270g/m². Thanks to its high strength, Proshield® can resist tears and punctures during construction.

W1 Water Resistance

Proshield® is rated as Class W1 for Water Penetration under EN13859-1. The self-adhesive membrane can withstand a water column of over a metre without leakage, meeting STA advice note 18 regarding suitability for exposed projects.

Full Range of Tapes

Proshield® comes with a full range of tapes in various widths and preformed corners for completing apertures and achieving airtight detailing. These tapes stop unnecessary air leakage around openings and match the colour and specifications of Proshield®.

Unrivalled Customisation

As a vertically integrated construction membrane manufacturer, Don & Low offers industry-leading customisation options. This means that businesses can have their logo printed on Proshield® in record time.

TEST	Proshield®	
Product Code	FNC 270	
Mass Per Unit Area with release liner (g/m ²)	270	
Mass Per Unit Area without release liner (g/m ²)	220	
Thickness with Release Liner (mm)	0.68	
Thickness without Release Liner(mm)	0.66	
Water Penetration Resistance (W1)	Pass	
Resistance to penetration of Air	< 0.01 m ³ /m ² .h.50Pa	
Water Vapour Transmission Properties Sd (m)	0.098	
Tensile Strength (N/5cm)	Before ageing	MD 400/CD 260
	After ageing	MD 340/CD 220
Elongation (%)	Before ageing	MD 50/CD 70
	After ageing	MD 40/CD 60
Tear Resistance (N)	MD 190/CD 190	
Dimensional Stability (%)	MD +0.02/CD +0.40	
Flexibility at low temperature	No cracking at -40°C	
Reaction to Fire Test Results*	Class B, s1, d0	On Class A Board
	Class F	Free Hanging

* Any substrate with a density equal to or greater than 1350 kg/m³, a minimum thickness of 6 mm and a fire performance of A2-s1, d0 or better (excluding paper faced gypsum plasterboard).



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