
Fwd: Product spec...

To: G R MERCHANT LTD <office@grmerchantltd.com>

20 December 2024 at 15:53

Vapour Permeability

With a vapour resistance of 0.065 MNs/g and an Sd-value of 0.013m, Roofshield stands out as one of the most vapour-permeable membranes available.

BBA Certification

Fully certified for both non-ventilated warm or cold roof applications since 1996, Roofshield maintains its position as the first membrane certified for use in cold, non-vented roofs.

Air Permeability

Facilitating air movement and moisture diffusion, Roofshield prevents condensation, dealing adeptly with higher moisture levels during building drying periods.

NHBC Acceptance

With a certified air permeability of 34.4m³/m² h.50Pa, Roofshield eliminates the need for additional high-level ventilation on NHBC-approved projects, ensuring consistent specifications across diverse projects.

Uniform Airflow

Roofshield's air permeability ensures consistent airflow through non-ventilated roofs compared to roofs ventilated per BS5250, without elaborate ventilation hardware.

No Vapour Control Layer (VCL) Required

Uniquely, the BBA explicitly states that a vapour control layer is unnecessary for non-ventilated cold-pitched roof constructions using Roofshield.

Water Resistance

Rated W1 under EN13859-1, Roofshield can endure a water column of over a meter without leakage, providing temporary

weather protection to the building envelope for up to 3 months when exposed.

BS5534 Compliance

Independently tested and compliant across the UK, Roofshield, without the need for high-level ventilation or a vapour control layer remains the simplest and most cost-effective method to meet regulatory standards.



Don & Low Product Overview.pdf
1091K



Specified
Membranes
for the
Construction
Industry



UK
CA CE

25
YEARS | **WE'VE
GOT YOU
COVERED**



Don & Low

MEMBER OF THRACE GROUP

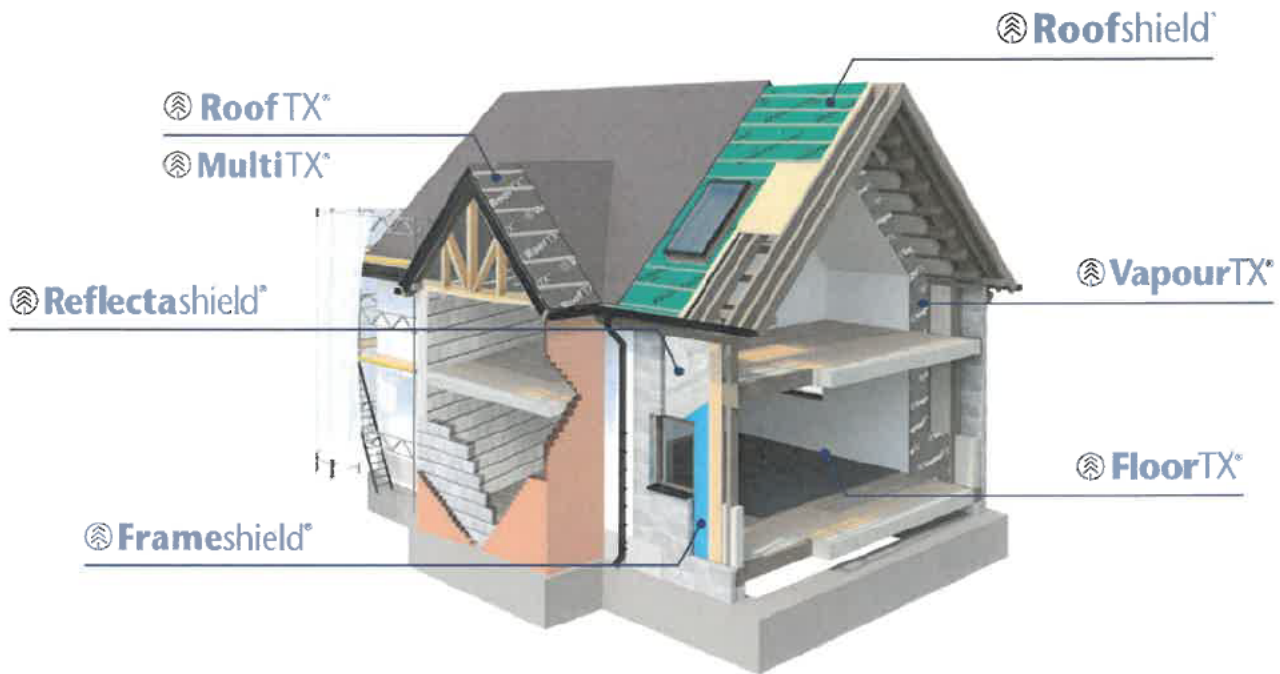
The Creators & Manufacturers of Roofshield®

⌘ Roofshield® ⌘ RoofTX® ⌘ Frameshield® ⌘ Reflectashield® ⌘ MultiTX® ⌘ VapourTX® ⌘ FloorTX®



Enter Don & Low's Complete Building Envelope Solution

Don & Low's extensive construction membrane range demonstrates the company's unwavering commitment to providing a complete building envelope solution that caters to the unique and constantly evolving demands of architects, house builders, and merchants. When it comes to high-performance roofing, walling, flooring, and site protection membranes, we've got you covered.



Moves the Construction Industry Forward

- ⌚ Legacy of over two centuries in the field of technical textiles.
- ⌚ Over 35 years of expertise in nonwovens production.
- ⌚ All construction membranes are manufactured in the UK.
- ⌚ Don & Low is UK's only vertically integrated manufacturer.
- ⌚ Membranes are recyclable and made with recycled materials.
- ⌚ Don & Low offers unrivalled print and colour customisation.
- ⌚ Stock availability ensures quick delivery times.
- ⌚ Access to product, application, and installation technical support.

Visit **donlow.co.uk** for in-depth information
on Don & Low's entire construction product range



Don & Low is The Premier Source for All Construction Membrane Needs

Roofshield®



Renowned Performance, Tried & Trusted by the Industry

Roofshield® is the industry's leading air and vapour permeable roofing underlay, earning over 25 years of trust through continuous use and rigorous testing. This innovative three-layer membrane allows the passage of moisture to significantly reduce the incidence of interstitial condensation in pitched roofs. When installed in cold-pitched roofs, Roofshield® eliminates the need for roof space ventilation, since moisture diffuses through the underlay. As a testament to its performance and reliability, Roofshield® is certified by the BBA in the UK for use in unventilated cold and warm pitched roofs, in both fully supported or unsupported roofing applications.



Innovation Made in the UK

Roofshield® is created and manufactured in the UK by Don & Low.



Remarkably Cost-Effective

Since it eradicates the need for roof space ventilation, the use of Roofshield® vapour and air-permeable membrane yields substantial savings in both labour and material costs.



New Distribution Strategy

In response to the demand for a leaner supply chain, Don & Low will commence direct distribution of Roofshield to the UK and Ireland markets as of November 16th, 2023.

RoofTX®



Breather Roofing Underlay

RoofTX® is a range of low resistance vapour permeable air barrier underlays and breather membranes, specifically engineered to enable the passage of moisture while effectively resisting air penetration. RoofTX® is well-suited for various roofing applications, including fully supported or unsupported cold and warm systems. Offering a lightweight alternative to traditional bituminous felts with excellent flexibility, even at low temperatures, the range is certified by the BBA for the UK and by the IAB for the Irish market.





Reflectashield®



Reflective Breather Walling Membrane

Reflectashield® is a high-performance reflective breather membrane, specifically designed to enhance the thermal performance of timber and steel frame structures. Reflectashield® reduces the thermal transmittance of walls by introducing a reflective surface in the cavity between the frame and outer cladding or brickwork, inhibiting radiant heat transfer across the cavity. As the breathability of the membrane is not comprised by its thermal properties, Reflectashield® helps to assist the diffusion of moisture from the building and reduce the condensation risk.

Frameshield®



Breather Walling Membrane

Frameshield® is a spunbond polypropylene fabric, to be used as a vapour permeable breather membrane for use in timber and steel frame constructions. Once installed, the permeability of Frameshield® allows the controlled escape of vapour from within the timber or steel frame reducing the risk of interstitial condensation. Extensively used in timber frame construction for over 20 years, Frameshield® provides effective protection during construction, against wind driven rain, moisture, snow, and dust.

VapourTX®



Vapour Control Layer

VapourTX® is a range of high-resistance vapour and air barriers for internal walls, ceilings, and floors, which control condensation and air movement within the building. It is made up of 116gsm VCL116 and the heavier duty 146gsm VCL146, together with VapourTX® Thermo, which with the addition of a highly reflective foil, enhances the overall thermal performance of the wall when placed on the warm side of the insulation.

Get in touch with Don & Low's construction team of experts via
email at membranes@donlow.co.uk
or by phone at **0808 169 4444**