Proshield® Tape

Don & Low
MEMBER OF THRACE GROUP

Technical Information

Proshield® is an advanced self-adhesive, vapour-permeable air barrier membrane designed to provide superior airtightness, moisture management, and ease of installation for modern construction projects. Manufactured by Don & Low, Proshield® ensures high-performance protection while optimizing energy efficiency across walls and floors.

With its Class B-s1,d0* fire resistance, W1 water resistance, and high tensile strength, Proshield® ensures a level of durability that you can rely on for walls and floors. Its high vapour permeability prevents condensation, enhancing building longevity. Proshield® is available with a full range of tapes in 75mm, 150mm & 300mm widths, all 50m long, and Pre-Formed Corners for airtight detailing and custom branding options for tailored solutions.

Proshield® conforms to the Construction Products Regulation (EU Regulation No. 305/2011) and is manufactured under control of an ISO 9001 quality management system.

TEST	METHOD		Proshield®					
Product Code			FNC 270					
Mass Per Unit Area with release liner (g/m²)	EN 1849-2		270					
Mass Per Unit Area without release liner (g/m²)			220					
Thickness with Release Liner (mm)	EN 1849-2		0.68					
Thickness without Release Liner(mm)			0.66					
Water Penetration Resistance (W1)	Method A of EN 1928 : 2000 (modified by EN 13859-2: 2014)		Pass					
Resistance to penetration of Air	EN 12114		< 0.01 m³/m².h.50Pa					
Water Vapour Resistance (Sd)	EN ISO 12572		0.098m					
Tensile Strength (N)	EN 12311-1 (Modified by Annex A of EN 13859-2 : 2014)	Before ageing	**MD**	400	(-80)	**CD**	260	(-50)
		After ageing	**MD**	340	(-80)	**CD**	220	(-50)
Elongation (%)	EN 12311-1 (Modified by Annex A of EN 13859-2 : 2014)	Before ageing	**MD**	50	(-20)	**CD**	70	(-22)
		After ageing	**MD**	40	(-20)	**CD**	60	(-22)
Tear Resistance (N)	EN 12310-1 (Modified by Annex B of EN 13859-2 : 2014)		**MD**	190	(-50)	**CD**	190	(-60)
Dimensional Stability (%)	EN 1107-2		**MD**	+0.02		**CD**	+0.40	
Flexibility at low temperature	EN 1109	No cracking at -40°C						
Reaction to Fire Test Results*	BS EN 13501-1:2018	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, dO or better (excluding paper faced gypsum plasterboard).*

Conditions applicable to the end use of the product: Rolls should be stored flat on a clean, level surface and kept under cover. Once the membrane is applied to the substrate, the primary covering should be installed within three months.

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BAW-25-387-P-A-UK

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Method of Installation: Please refer to installation guide lines for detailed instructions.

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