

FRAMESHIELD 100

user guide

FRAMESHIELD 100 DETAILS

General

Frameshield 100 is a spunbonded polypropylene material developed primarily as a breather membrane for use in timber frame wall construction.

Applied in the factory during manufacture or on site, Frameshield 100, affords effective protection of timber frames during construction against wind-driven rain, snow and dust. Once completed, the high water vapour permeability of Frameshield 100 allows the controlled escape of vapour from within the timber frame whilst restricting the ingress of rain and moisture.

Frameshield 100 conforms to BS 4016:1997 (Specification for Building Papers, Breather Type) and its vapour resistance factor of 0.1MNs/g is less than the maximum permitted in NHBC requirements. Used in accordance with this NHBC Practice Note, Frameshield 100 provides a superior quality permanent wall breather membrane.

Exclusively developed and produced for The A. Proctor Group to carefully determined specifications by Britain's only spunbonded fabric manufacturer, Don and Low Nonwovens Ltd, Forfar, Scotland.



Wall Breather Membrane

Frameshield 100 is produced by the continuous extrusion of polypropylene fibres which are then spun and bonded together with a combination of heat and pressure.

Installed in accordance with the NHBC standards, Frameshield 100 will comply with all current UK Building Regulations.

TECHNICAL ADVICE

The A. Proctor Group has a dedicated Technical Department which can deal with installation details, view drawings for approval and give specialist advice on the correct use of the A. Proctor Group products.

PHYSICAL PROPERTIES

Property	Test Method	Mean Results
Resistance to water penetration	BS 4016	Pass
Water Vapour Permeability	BS 3177	2600g/m ² /24hrs
Vapour Resistance	BS 3177	0.1MNs/g
Burst strength, Wet Dry	BS 3137	514kN/m ²

Property	Test Method	Roll Direction	Cross Direction
Resistance to Nail Tear	MOAT 27:5.4.1	115N	126N
Resistance to Tear	BS 2782:360B	88N/mm	77Nmm ²
56 Days Water Soaked at 20°C	BS 2782:360B	80N/mm	81Nmm ²
Tensile Strength	BS 2782:320A	7.5N/mm	5.4Nmm ²
56 Days Water Soaked at 20°C	BS 2782:320A	8.2N/mm	5.8Nmm ²
100 hours UV aged	ASTM G53-84	7.9N/mm	5.2Nmm ²

Fire Related Properties

Frameshield 100 performance against BS476 : 12 is an improvement over other products which once ignited, continue to burn.

Application Details

Supplied in roll form, Frameshield 100 should be fixed to frames with austenitic stainless steel nails or staples at centres not more than 500mm. On areas where sheets are required to be lapped, the following dimensions must be adhered to:

- Vertical Laps – not less than 150mm
- Horizontal laps – not less than 100mm

Ensure integrity of Frameshield 100 by overlapping upper layers over lower layers and staggering vertical joints. Protect timber at wall plate level and mark stud positions for wall fixings.

Application Procedure

Frameshield 100 must be installed in accordance with the manufacturer's instructions and recommendations.



FRAMESHIELD CHARACTERISTICS

Thickness	0.5 mm
Weight	100 g/m ²
Roll Length	100m
Roll Width	2.7, 2.6 or 1.4m
Colour	Green / Grey Others Available

Quality control checks are carried out on the incoming materials, during production and on the finished product.

Quality control checks on the finished product include:

- Weight
- Tensile strength and elongation
- Tear
- Thickness
- Water penetration



MADE IN BRITAIN

Insert Code 002

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