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 and light steel frame applications.

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 the Construction Products Regulation (EU Regulation No. 305/2011), Underlay for walls (Annex ZA of EN 13859-2) and is manufactured under control of an ISO 9001 quality management system. Its vapour resistance factor of 0.03MNs/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 & Low Limited Nonwovens, 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.

PRODUCT CHARACTERISTICS

Mass per unit area (EN 1849-2)	100g/m^2
Reaction to Fire (EN 13501-1)	Class E
Water vapour resistance Sd (EN 12572)	0.006m
Water penetration (EN 1928)	
Before ageing:	Class W2
After ageing:	Class W2
Tensile strength (EN 12311-1)	
Before ageing:	MD 240N CD 180N
After ageing:	MD 200N CD 150 N
Elongation (EN 12311-1)	
Before ageing:	MD 85% CD 100%
After ageing:	MD 45% CD 60%
Tear resistance (EN 12310-1)	MD 135N CD 145N
Flexibility at low temperature (EN 1109)	No cracking at minus 60°C
Air permeability (EN 12114)	320 m^3/m^2/hr (at 50 Pa)

Application Details
Supplied in roll form, Frameshield 100 should be fixed to frames with austentic 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 A. Proctor Group's instructions.

Don & Low
MEMBER OF THRACE GROUP

FRAMESHIELD CHARACTERISTICS

Thickness	0.5mm
Weight	100g/m^2
Roll Length	100m
Roll Width	2.7, 1.5 (black) or 1.4m
Colour	Green/Grey Others Available

The product is manufactured under an ISO 9001 compliant system with quality control checks carried out on the finished product.

Quality control checks on the finished product include:

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

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CERTIFICATE No. 89/2313

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Polypropylene is recyclable. Mechanical recycling is the primary option, depending of the requirements of the application and the intended article specification. It can also be valorised for energy recovery, its high calorific value is around 44 MJ/kg. Polyolefins are neither biodegradable nor compostable.

MADE IN BRITAIN CE

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July 2018

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.

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