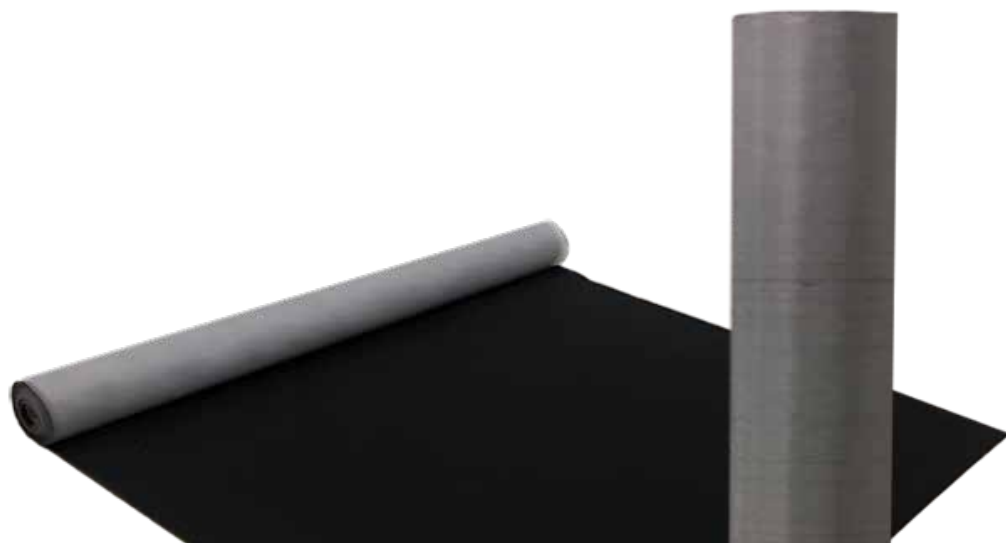


INSTALLATION GUIDE

PROBREATHE® A2

MEMBRANE & ACCESSORIES



MEMBRANE SPECIFICATION

Fire Rating:
A2-s1,d0

Vapour Permeability:
Sd 0.095m

Water Holdout:
W2

Weight:
230 g/m²

Dimensions:
Roll size: 1.5m x 50m

1 OVERVIEW

PROBREATHE A2 MEMBRANE

- Airtight woven glass fibre membrane with a PU coating.
- Combines vapour permeability, water resistance and airtightness in one membrane.
- Reaction to Fire classification of A2-s1,d0 when installed free-hanging and when installed with appropriate tapes onto a minimum Class A2-s1,d0 substrate.

REQUIRED TAPES

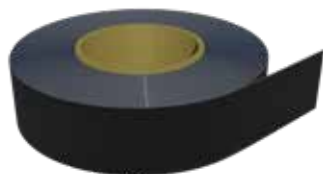
- Probreathe FR Duo Tape (50mm x 50m) – to bond the membrane back to the substrate.
- Probreathe FR Tape (75mm x 25mm) – to terminate membrane laps.

RECOMMENDED TOOLS

- Utility Knife
- Measuring Tape
- Scissors
- Clean Cloth
- 50mm Roller
- Smoothing Brush
- Chalk Line
- Straightedge



Probreathe FR Duo Tape



Probreathe FR Tape

2 PREPARATION

STORAGE & HANDLING

- Store the rolls horizontally in a cool, dry place. Handle the material carefully, ensuring that the membrane is not folded, stretched or creased.

SUBSTRATE PREPARATION

- Substrate must be above 5 degrees Celsius, dry and free from any contaminants or sharp protrusions that may be present to ensure they do not hinder adhesion of the Probreathe FR Duo Tape, or cause any damage to the membrane.
- Remove and replace any damaged structural wall components.
- Make sure all fixings are flush with the substrate.



3 INSTALLATION

DETAILING

Window & Door Openings

- Probreathe A2 membrane should be applied after the installation of the EPDM around openings.
- Where EPDM is to be installed prior to the membrane, ensure the Probreathe FR Duo Tape is installed up to the perimeter of the EPDM, and lap the membrane onto the EPDM as much as possible. Apply Probreathe FR Tape to bond the membrane onto the EPDM and ensure the perimeter of the membrane is fully sealed.

General Application

- Appraise the area prior to installation to determine best installation methodology (horizontal or vertical) for the Probreathe A2 membrane (See Fig. 1 & Fig. 2).
- Work from ground up to ensure correct overlaps of the membrane.
- Measure and mark substrate for placement of Probreathe FR Duo Tape.
- Probreathe FR Duo Tape must be installed 150mm in from each edge of the membrane and a centre run of tape should also be used (see Fig. 3).
- Make sure that the ends of the Probreathe FR Duo Tape do not overlap each other when installed, as this will make removal of the release liner difficult.
- Optimal bonding is achieved when even pressure is applied to the Probreathe FR Duo Tape using a 50mm roller.
- Do not remove the release liner from the Probreathe FR Duo Tape until installation of the membrane is to commence. Remove the release liner in sections as you install the membrane to prevent the membrane catching on the adhesive in areas where you are not ready to bond.
- Probreathe A2 membrane should be cut using a utility knife and a straight edge, or a sharp pair of scissors.
- The membrane must be installed with the black side facing outwards.
- Install the membrane uniformly, without pulling to ensure even tension across and along the membrane surface.
- Ensure all perimeters of underlying Probreathe A2 membrane are bonded back to the substrate with Probreathe FR Duo Tape (see Fig. 4-6).



Fig. 1

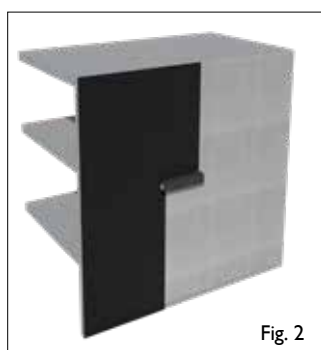


Fig. 2

Overlaps

- Horizontal overlaps – minimum 150mm ensuring the shingle effect is achieved (upper courses lapped over lower courses).
- Vertical overlaps – minimum 100mm.
- Internal and external corner overlaps – minimum 150mm.
- All overlaps and finished edges should be terminated with Probreathe FR Tape to prevent water ingress, air leakage and any damage to the membrane (see Fig. 5 & 6). A roller should be used to ensure an effective bond between the tape and the membrane (see Fig. 7).

Note:

Failure to bond the adhesive tapes may result in poor adhesion to the substrate, and therefore risk the membrane being damaged in high winds and a reduction in airtightness.

Probreathe A2 should be covered with the final external protective layer (i.e.: cladding, roofing) within 12 months. If exceeding this limit is unavoidable, protect Probreathe A2 from the elements with a tarpaulin.

All membranes require protection from heavy/prolonged rainfall and extreme weather events while being installed. Waterproofing materials (e.g. tarpaulins) should be utilised as necessary to ensure the leading edges of all membranes are protected until the façade is complete.

Wall Penetrations

- Fill joints, gaps and cracks with a suitable filler for the project and smooth across with a putty knife (see Fig. 8a, 9a & 10a).
- Gaps should be no more than 10mm and filler should be allowed to cure prior to installation of Probreathe FR Duo Tape.
- Place the Probreathe FR Duo Tape around the wall penetration.
- Cut an appropriately sized piece of Probreathe A2 membrane to act as a flashing piece to simplify installation and handling.
- Install Probreathe A2 membrane flashing piece up to the penetration edges, ensuring a good bond to the Probreathe FR Duo Tape as per standard installation.
- Use Probreathe FR Tape to seal the penetration by folding half of the tape onto the membrane, and the other half onto the penetration (see Fig. 8b, 9b & 10b).
- Tape the main areas of the membrane to the flashing piece and seal the perimeter with Probreathe FR Tape.

TECHNICAL ADVICE

The A. Proctor Group has a dedicated Technical Department which can help 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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Email: contact@proctorgroup.com
Website: www.proctorgroup.com



Fig. 3



Fig. 4



Fig. 5



Fig. 6

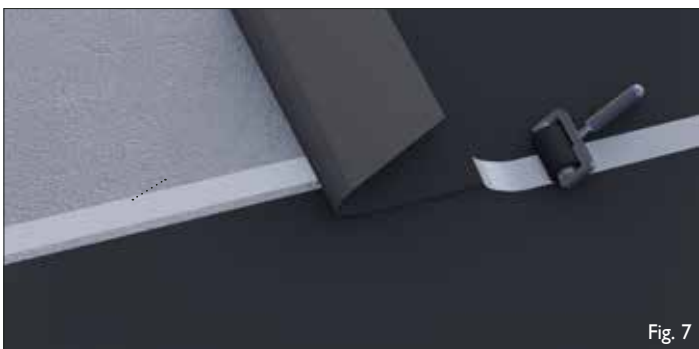


Fig. 7



Fig. 8a



Fig. 8b



Fig. 9a



Fig. 9b

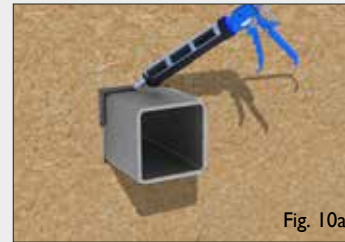


Fig. 10a

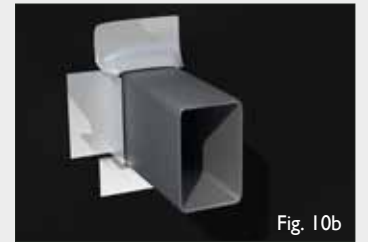


Fig. 10b

Patch Repairs

- Any small tears, punctures or penetration damage can be remediated by a small patch of Probreathe FR Tape over the damaged area, and rolled into place - see Fig. 11a & 11b.
- Larger areas of damage should be repaired by utilizing a patch of Probreathe A2 membrane, taped down around all four sides with the Probreathe FR Tape - see Fig. 12a & 12b.

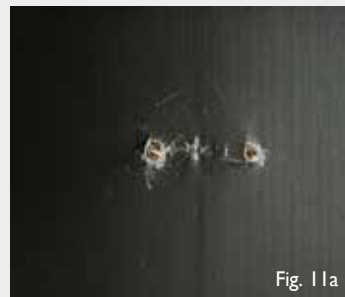


Fig. 11a



Fig. 11b



Fig. 12a



Fig. 12b



“ I believe the success of the A. Proctor Group is down to a solid foundation of innovation backed up by an excellent, loyal and committed team, every one of them playing an important role in our continued success. Scotland provides us with a unique platform to launch our ideas, systems and products. I am fiercely proud of this heritage and our brand.”

Keira Proctor

Managing Director, A. Proctor Group Ltd



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