

# FLAMEOUT® BREATHE

## FLAME RETARDANT HOUSE WRAP BREATHER MEMBRANE FOR WALLS & ROOFS

	
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<b>POWERLON FlameOut Breathe</b> Flame Retardant House Wrap Breather Membrane	
<b>Colour</b>	Dark Grey
<b>Weight</b>	90gsm
<b>Tensile Strength</b>	MD 170N/50mm XD 140N/50mm
<b>Nail Tear Resistance</b>	MD 80N/50mm XD 90N/50mm
<b>Water Vapour Transmission</b>	Sd 0.02m
<b>Water Tightness</b>	W1
<b>Flame Retardant</b>	ENISO 13501-1 Class B-s1,d0

### DIMENSIONS

Roll Size	Roll Weight
1.5 x 50m	7.2kg
3.0 x 50m	14.0kg

### NOTE

As per EN 13859-2, Clause 5.2.2, in the case of the breather membrane being used on a supporting structure, further flame retardant testing of the structure may be needed to determine the flame retardancy of the construction due to a possible difference in flame retardancy of the supporting construction materials (e.g. wood). Powerlon FlameOut Breathe is Class B-s1,d0 when free hanging or directly installed on a supporting substructure with a flame retardant classification of A1 or A2. FlameOut Breathe has been tested directly installed onto wood as Class D-s1,d0.

### APPLICATION

Breather membrane for wall and pitched roof installations in safety critical structures. FlameOut Breathe has W1 resistance to water for pitched roof and wall use.

### STORAGE & HANDLING

Always store membrane rolls horizontally in a cool, dry sheltered store. Handle the material with care and ensure that the membrane is not creased or folded.

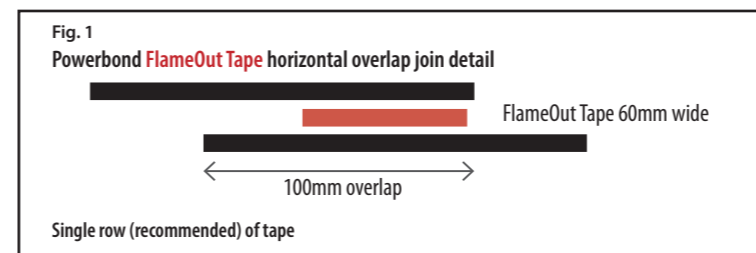
### INSTALLATION

- Materials can be cut using a sharp knife. Always overlap the cut edge.
- Unroll the membrane and secure to the wall/timber structure with stainless steel staples. Install the membrane vertically (recommended) and do not crease or fold the material.
- Pull the membrane tight and always fasten loose ends, overlaps and edges with FlameOut Tape or mechanically with stainless steel staples.
- Vertical overlaps are recommended to be 150 mm; horizontal overlaps are recommended to be 100mm.
- For corners, loosely wrap the membrane around the corner and overlap the recommended amount. Seal the overlap with FlameOut Tape or fix with staples.

### 2. BONDING TO SURFACES

- Before beginning any installation, practising the taping process is highly recommended.
- Make sure that the surfaces are clean and free from dust and grease.
- Membrane can be attached to timber studs with stainless steel staples; for adhesion to metal, wood, foams, plastics, paper or cardboard, use FlameOut Tape. NOTE: Test any surface prior to installation.
- It is not advisable to attach to insulation due to the unstable surface.

- For any other back grounds or any surface not listed above, a test may need to be done. Please contact ITP Technical Support.
- Only use FlameOut Tape, as follows: FlameOut Tape should be installed between the recommended minimum 100mm overlap when installed horizontally. A single continuous row of the double-sided tape should be laid to create a watertight seal within the recommended 100mm overlap (horizontal installation). Note: use a hand-held roller to aid adhesion. See Fig. 1. Seal the overlap with FlameOut Tape or fix with staples. Note: when the membrane is installed vertically, then the recommended overlap is 150mm.



### 3. REPAIRS

- Small punctures in the membrane after installation can be repaired; cover the penetration with a patch of FlameOut Breathe large enough to extend approx 150mm beyond the penetration and apply with FlameOut tape, fully sealing the penetration.

### 4. FURTHER INFORMATION

These installation instructions are based upon currently available good practice and information and only offered as a general guide. Final determination of the suitability of any information or material for the use contemplated and the manner of use is the sole responsibility of the user and the user must assume all risk and liability in connection therewith. Check the suitability and safety of the products for the use envisaged with all current and applicable national standards. ITP recommends calling the Technical Helpline if further information is required.

**FLAMEOUT BREATHE** is a multi-layer non-woven breathable fabric that is flame retardant to Class B-s1,d0



**TECHNICAL HELPLINE**  
**01347 825 200**

### IMPORTANT

Protect FlameOut Breathe from UV exposure. Cover and finish the construction of the FlameOut installation within a maximum of two weeks (for Western Europe).

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