

FLAMEOUT® BREATHE membranes are breathable, non-woven fabrics with superior self-extinguishing, flame retardant properties, available in two grades of FR rating. They are independently tested to BS EN 13501-1 and are suitable for wall and roof installations.

FLAMEOUT® VCLs are polyethylene-based vapour control membranes with a reinforcement scrim to provide sufficient tensile strength in wall and roof insulations. They are independently tested to British and international flame retardant standards. Air and Vapour Control Layers (AVCLs) ensure that the building envelope is properly sealed to control ventilation and prevent heat loss in compliance with Building Regulations Part L. Installed on the warm side of insulation, AVCLs protect insulates from interstitial condensation.

PRODUCT	Flame Retardant	Colour	Weight	Tensile strength	Temperature range	Water vapour resistance	Water vapour transmission	Water tightness	Sizes	Roll weight	Pallet quantity
	EN 13501-1		EN 1849-2 gsm	EN 12311-1 N/50mm	°C	EN ISO 12572		EN 1928 (A) Class	metres	kg	
FLAME RETARDANT BREATHER MEMBRANES FOR WALL & ROOF INSTALLATIONS											
FlameOut Breathe	Class B-s1,d0*	Dark grey	90	MD 170 XD 140	NT	NA	Sd 0.02m EN ISO 12572 BS 4016 Class 1	W1	1.5 x 50 3.0 x 50	7.2 14.0	28 28
Safe One	Class A2-s1,d0*	Black	310	MD 1400 XD 1400	-30/	NA	Sd <0.30m EN ISO 12572	W1	2.65 x 20	18.0	25
FLAME RETARDANT VAPOUR CONTROL LAYERS FOR WALL & ROOF INSTALLATIONS											
FlameOut Block	Class B-s1,d0	Milky White	140	MD>500 XD>500	-40/+70	70 MNs/g	Sd 28m EN 1931 1.56 g/m ² /day BS 3177	NA	2 x 50	14.5	39
FlameOut Block Plus	Class B-s1,d0	Milky White	210	MD>500 XD>500	-40/+70	130 MNs/g	Sd 60m EN 1931 0.77 g/m ² /day BS 3177	NA	2 x 50	21.5	33

*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 different flame retardancy of the supporting construction materials itself (e.g. wood). Powerlon FlameOut Breathe Class A is Class A2-s1,d0 when free hanging or directly installed on a supporting substructure with a flame retardant classification of A1 or A2. 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.

****Important:** Register your warranty with ITP prior to installation. Separately provided Installation instructions provided by the Powerlon technical team must be complied with to validate any warranty. Powerlon proprietary adhesives, tapes and accessories must be used to validate any warranty.

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Industrial Textiles & Plastics Ltd
Stillington Road, Easingwold, York YO61 3FA
United Kingdom

Telephone: +44 (0)1347 825200
Email: info@itpltd.com
Website: www.itpltd.com



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