



# FLAMEOUT<sup>®</sup> BLOCK Class B

## CLASS B FLAME RETARDANT VAPOUR BARRIERS



protecting what matters

TECHNICAL DATA SHEET

Revision 6.1



### Description

FLAMEOUT BLOCK is a Flame Retardant reinforced vapour control layer (VCL).

It has good vapour control characteristics and is independently tested to EN 13501-1 with a Fire Rating of Class B.

### Application

FLAMEOUT BLOCK is for covered roof and wall installations.

Vapour control layers are normally installed on the warm side of the insulate to prevent interstitial condensation.

### Features

- Fire Rated to Class B Flame Retardant
- Watertight to highest level W1
- Suitable for high-rise developments

### Flame Retardant

FLAMEOUT BLOCK is Class B-s1,d0 when free hanging or directly installed on a supporting substructure with a non-combustible fire rating.

If used on a supporting structure with a lower fire rating, further Flame Retardant testing of the system will be necessary to determine the influence of lower fire rated supporting materials.

### Accreditations

- Independently tested to EN 13501-1
- Fire Rating Euroclass B-s1,d0
- ISO 9001 Quality Management System
- Fully batch traceable.

### Regulations & References

- Building Regulation Approved Document B (Fire Safety)
- Building Regulation 2010: Regulation 7(2)
- Building Regulation 2018 as amended 2022: Regulation 7(3)
- BDM01 A to Z of Essential Principles for the protection of buildings
- NHBC standards 2023
- BS EN 13859-1 Flexible sheets for waterproofing. Definitions and characteristics of underlays. Underlays for discontinuous roofing
- BS EN 13859-2 Flexible sheets for waterproofing - Definitions and characteristics of underlays Part 2: Underlays for walls
- BS 5250 Management of moisture in buildings. Code of practice

### Performance Tests

BS EN 13501-1 Fire classification of construction products and building elements

BS EN 1928 Flexible sheets for waterproofing. Bitumen, plastic and rubber sheets for roof waterproofing. Determination of watertightness

EN ISO 12572 Hygrothermal performance of building materials and products



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Test	Method	FLAMEOUT BLOCK CLASS B 210	FLAMEOUT BLOCK CLASS B 140	Unit
<b>Physical</b>				
Grade		Premium	Standard	
Colour		Ivory	Ivory	
Unit Weight	EN 1849-2	210	140	gsm
Tensile strength	EN 12311-1	> 500	> 500	N/50mm
		> 500	> 500	
Temperature		-30 to +70	-30 to +70	°C
<b>Performance</b>				
Flame Retardant	EN 13501-1	B-s1,d0	B-s1,d0	Class
Water Vapour Resistance	EN ISO 12572	300	140	MNs/g
Water Vapour Transmission	EN ISO 12572	1760	823	m
Sd value				
Water Tightness	EN 1928	W1	W1	
<b>Dimensions</b>				
Roll Size		2.0 x 50	2.0 x 50	m
Roll Weight		21.5	14.5	kg
Pallet Qty		46	52	rolls

### Interpretation of EN 13501-1 test results

BS EN 13501-1 is a fire classification of construction products and building elements.

It incorporates two Flame Retardant tests:

- ISO 11925-5 small flame test
- EN 13823 single burning item (SBI) test

The resulting classification **Class B-s1,d0** is interpreted as follows:

- B:** Flame Retardant, limited contribution to fire
- s1:** smoke emission absent or weak
- d0:** no flaming droplets

#### Other system elements



FLAMEOUT double sided jointing tape



4 POWERBOND FR aluminium sealing tape

#### Complimentary Products



FLAMEOUT BLOCK Class A vapour barrier



FLAMEOUT BREATHE breather membrane

Complimenting the FLAMEOUT BLOCK membranes are **FlameOUT BREATHE breathable membranes** for use on the opposite, cold side of the insulate. Please refer to appropriate technical literature for further information.

- FLAMEOUT BREATHE Class A - non-combustible
- FLAMEOUT BREATHE Class B - flame retardant

Test Results are obtained under laboratory conditions on new material and not under actual usage conditions. Test results only relate to the sample tested. Tolerances +/- 20%. No warranties or assurances of reliability, suitability or fitness for a particular purpose of specimens or data are offered. Assessment of suitability of such material and data for intended use is the sole responsibility of the customer.

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