

POWERLON® UV

Intelligent building membranes



Product Information

www.powerlon.com

UV RESISTANT FAÇADE MEMBRANES

Innovative breathable façade membrane solutions

Powerlon UV is a range of polyacrylic and co-polymer breathable membranes engineered to provide long-term protection for the building envelope. Designed for installations behind open or closed ventilated façades, Powerlon UV is exceptionally UV resistant with superior durability compared to conventional breather membranes.

The UV Colour range comes in a variety of attractive colours for creative and stylish design opportunities. This range is designed for use behind a wide variety of ventilated façade and rainscreen systems such as metal mesh, polycarbonate, glass and timber.

The membranes provide exceptional imperviousness to both wind and rain, increasing the lifetime and effectiveness of the insulation.

Due to its outstanding breathability, moisture quickly diffuses from within the building to provide good climatic comfort and to ensure that the building's structure remains in good condition.

The membranes' lightness, high performance and ease of installation provide architects with economical and exciting design alternatives.



Powerlon UV Colour – The Word Library & Digital Media Centre, South Shields



UV Colour – Canada Water Library, London



UV Colour – Birmingham University Sports Centre



Powerlon UV – Bilston Academy, Wolverhampton



UV Colour – Greenways School, Essex



Powerlon UV – Mary Rose Museum, Portsmouth

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Certificate Number 2318



UV RESISTANT FAÇADE MEMBRANES

FEATURES

- For all open and closed ventilated rainscreens and façades
- Highly UV resistant
- Flame Retardant up to **Class 0**
- Breathable to allow escape of moisture
- Hydrophobic (water-repellent)
- Easy installation with UV accessories
- Compatible with all substrates
- 10 year guarantee



OUTSTANDING TECHNICAL PERFORMANCE

PRODUCT	POWERLON UV 120	POWERLON UV 160 SA	POWERLON UV 145 FR
Application	Open or closed ventilated rainscreens and façades. Openings <30mm; overall exposure <30% of surface area	Open or closed ventilated rainscreens and façades. Openings <50 mm; overall exposure <50% of surface area	Open or closed ventilated rainscreens and façades. Openings <15mm; overall exposure <10% of surface area. Flame Retardant
Weight	120gsm	160gsm	145gsm
Colour	Black	Black	Black
Flame Retardant	EN ISO 11925-2 Class E	EN ISO 11925-2 Class E	EN ISO 11925-2 Class B-s3,d0

Please refer to the product data sheet for comprehensive test data

PRODUCT	POWERLON UV CHROMA SA	POWERLON UV COLOUR	POWERLON UV COLOUR FR
Application	Open or closed ventilated rainscreens and façades. Openings <75mm; overall exposure <45% of surface area	Open or closed ventilated rainscreens and façades. Overall exposure <50% of surface area or gaps <100mm	Open or closed ventilated rainscreens and façades. Overall exposure <50% of surface area or gaps <100mm. Flame Retardant
Weight	210gsm	455gsm	820gsm
Colour	Red, White, Coal, Granite, Honeysuckle	Coal standard, 8 core colours, other colours on request	Coal standard, 8 core colours, other colours on request
Flame Retardant	EN ISO 13501-1 Class E	EN ISO 13501-1 Class E	EN 13501-1, Class B-s2,d0 BS 476 Part 6&7 Bldg Reg 2000-B Class 0

Please refer to the product data sheet for comprehensive test data

ACCESSORIES

Proprietary accessories, adhesives and sealants must be used to validate any warranties. Details available on request.

FLAME RETARDANT



Flame Retardant grades to internationally recognised European and British Standards.

EN ISO 13501-1

Fire classification of construction products and building elements. Classification using test data from reaction to fire tests

EN ISO 11925-2

Reaction to fire tests – Ignitability of building products subjected to direct impingement of flame.

BS 476, part 6 & 7

Fire tests on building materials and structures.

Building Regulations 2000 Approved Document B

Fire safety.

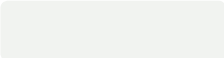

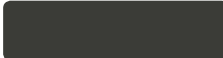



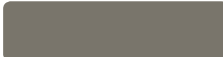

FURTHER INFORMATION

Further information is available on our website www.powerlon.com. Please register to download Installation Instructions and Product Data Sheets.

Technical documentation is also available by contacting us by email or telephone.

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CORE COLOURS

 White 10325	 Granite 08119	 Coal 10231	 Honeysuckle 08109
 Orange 08124	 Red 10390	 Iron 08116	 Eggplant 08114

