



Description

ULTRAPERM is a composite membrane incorporating a micro-porous film laminated in between two functional non-woven fabrics.

The membrane has exceptional water vapour transmission, hydrophobic (water repellent) characteristics and good UV stability. It is also available with and without integrated jointing tapes.

Application

ULTRAPERM is used in warm and cold pitched roof installations. It is also suitable for wall applications.

Breather membranes are normally installed on the cold side of the insulate to prevent interstitial condensation and installed to BS 5534.

Key Features

- Fire Rating Class E
- Watertight to highest level W1
- High Breathability with a Water Vapour Transmission Sd value of 0.02m.
- Choice of 4 grades

Accreditations

- BBA Certification No. 13/5037
- Compliant BS 5534:2014+A2 Slating and tiling for pitched roofs and vertical cladding. Code of practice
- ISO 9001 Quality Management System
- Fully batch traceable.

Regulations & References

- 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
- BS 5534:2014+A2 Slating and tiling for pitched roofs and vertical cladding. 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

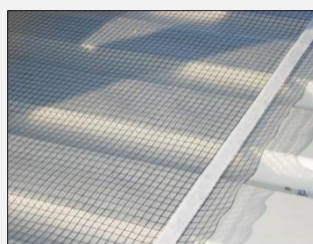
EN ISO 12572 Hygrothermal performance of building materials and products

	Test	Method	ULTRAPERM Max	ULTRAPERM Premium	ULTRAPERM Standard	ULTRAPERM Lite	Unit	Tol
Mechanical	Colour		Green	Blue	Grey	Black		
	Unit Weight	EN 1849-2	150	135	115	92	gsm	
	Tensile warp	EN 12311-2	350	330	280	240	N/50mm	+/- 30%
	Strength weft		240	200	155	125		
	Elongation warp	EN 12311-2	70	60	70	60	%	+/- 30%
	weft		70	70	60	70		
	Nail Tear Resistance	EN 12310-1	PASS	PASS	PASS	PASS		
	Temperature		-30 to +70	-30 to +70	-30 to +70	-30 to +70	°C	
Performance	Reaction to Fire Rating		Class E	Class E	Class E	Class E	Class	
	Water Tightness after ageing	EN 1928	W1	W1	W1	W1	Class	
	WV Transmission Sd value	EN ISO 12572	0.02	0.02	0.02	0.02	m	
	UV Resistance		3 months	3 months	3 months	-		
Physical	Roll Size		1.5 x 50 1.0 x 50	1.5 x 50 1.0 x 50	1.5 x 50 1.0 x 50	1.5 x 50 1.0 x 50	m m	
	Roll Weight		12.2	10.7	9.2	7.4	kg	
	Pallet Qty		44	44	55	59	rolls	

Other Products



ULTRABLOCK
Vapour Barriers



POWERLON VCL
Vapour Control Layers



POWERLON UV 120
Façade Membrane



POWERLON SP100
Breathable house wrap (Wall)

Installation

ULTRAPERM is installed in accordance with BS 5534.

Detailed and illustrated installation instructions are on the reverse of the product label.

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% unless otherwise detailed. 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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