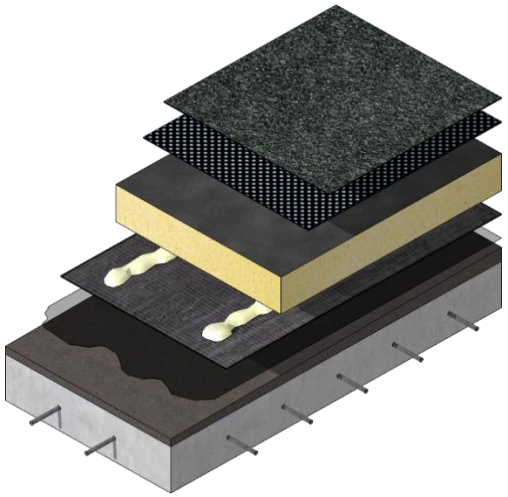
Technical Data Sheet

Vapobar 1

Product Description / Use:

Vapobar 1 is an air and vapour control layer (AVCL) obtained by co-extrusion of a special steam-impermeable bitumen-polymer compound and of a reinforcement consisting of a sheet of pure aluminium and of a glass sheet. It is designed specifically for use as a vapour control layer in insulated warm roof systems. It is suitable for use in buildings with high humidity conditions below, due to the aluminium foil lining within the membrane.

The lower face is coated with Termotene® fusible film which aids unrolling and facilitates torch bonding to various substrates. The upper face finish is finished with a sandblasting treatment.



Vapobar must be used with the appropriate MOY Bitumen Primer. Side and end joints should be appropriately lapped and torch bonded.

Vapobar membranes contain no asbestos, tar or other dangerous substances.

Certification:
System Fire Testing:
Classification Standard BS EN 13501-5: 2016
Test Standard: CEN/TS 1187:2012

Determination of external fire performance is a system test which will be influenced by the components within the roofing system.

Whilst Vapobar 1 can be included as an air and vapour control layer in compliant B_{ROOF} systems, always check with MOY Technical Services for the very latest information on fire testing carried out.

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Technical Specification:

Specifications [1]	EN Standards	Unit of Measure	Tolerances [1]	Vapobar 1 (3mm)
Roll dimensions	1848-1	m	≥	10 x 1
Thickness	1849-1	mm	±5%	4
Watertightness	1928-B	kPa	≥	60
Cold flexibility	1109	°C	≤	-10
Flow resistance at elevated temperature	1110	°C	≥	120
L/T tensile strength	12311-1	N/5cm	±20%	420 / 315
L/T tensile elongation	12311-1	%	±2	2 / 2
L/T dimensional stability	1107-1	%	≤	-
Static puncture	12730	kg	≥	10
Dynamic puncture	12691-B	mm	≥	-
L/T tear resistance	12310-1	N	±30%	-
Joint peel resistance	12316-1	N/5cm	±20 N	NPD [2]
Joint cut resistance [3]	12317-1	N/5cm	±20 %	NPD [2]
Durability after ageing:				
• Cold flexibility	1296-1109	°C	+15°C	-
• Flow resistance at elevated temperature	1296-1110	°C	-10°C	120
• UV Ageing	1297	-	-	NPD [2]
• Watertightness	1296-1928	kPa	≥	60
• Chemical resistance	-	-	-	NPD [2]
• L/T tensile strength	12311-1	N/5cm	±20%	-
• L/T tensile elongation	12311-1	%	±2	-
Moisture resistance factor	1931	μ	-	500,000
Vapour resistance	1931	MN.s/g	-	3,663
Water vapour diffusion – equivalent air layer thickness Sd	1931	m	-	2000
Root resistance	13948		-	NPD [2]
External fire behaviour	13501-5	EC [4]	-	NPD [5]
Fire reaction	13501-1	EC [4]	-	F

Notes:

(1) In compliance with the applicable AISPEC/SITEB-MBP Guidelines.
(2) Characteristic not determined, because it is not relevant for use.
(3) Declared value or failure away from joints.
(4) Euroclass.
(5) Determination of external fire performance is a system test which can be influenced by system components, thus performance for each individual product cannot be given.

Delivery form:

Rolls.

Storage:

Rolls must be stored in their original package, in vertical position and under cool and dry conditions between temperatures of +5 °C and +35 °C. They must be protected from direct sunlight, rain, snow and ice.

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Shelf life:
They can be stored for up to 24 months in cool, dry conditions.

Safety:
Safety precautions to be taken when using this product are given in the Safety Data Sheet.

Disposal:
Information for this product is given in the Safety Data Sheet.