



PRODUCT DETAILS

Product name	Pro-Vapour Control/Carrier Membrane SA
Product type	Self-adhesive waterproofing membrane

PRODUCT DESCRIPTION

Proteus Pro-Vapour Control/Carrier Membrane SA is multi-layered self-adhesive vapour barrier with a glass-fibre mat reinforcement and an aluminium foil top layer. It is manufactured from polymer modified bitumen.

APPLICATION

Proteus Pro-Vapour Control/Carrier Membrane SA is suitable for use in the following roof types:

- Built up roof systems
- Inverted roof systems
- Concrete
- Metal
- Plywood/timber

Proteus Pro-Vapour Control/Carrier Membrane SA is typically used with the following liquid waterproofing systems:

- Cold Melt®
- Proteus Pro-Cold®
- Pro-BW® Plus
- Pro-BW® LO
- Pro-BW® Light

INSTALLATION

Substrate preparation

- Surfaces should be structurally sound, clean, dry, free from defects, sharp protrusions and loose surface sand or gravel
- Repair substrate defects such as holes, voids, tears, and cracks, using suitable materials
- All loose and friable material must be removed by mechanical means where necessary
- Oil, dust, and debris should be removed by brush and vacuum
- Any defective or decayed areas of the substrate should be cut out, repaired, and reinstated to provide a solid base

Installation method

- Prime the substrate with **Pro-Prime® SA**
- Start by laying the rolls from the lowest point and work upwards, being careful not to create counter-gradient overlaps
- The membrane must be overlapped at the edge by at least **80 x 100 mm** and at least **150 mm** at the ends
- On profiled metal decks, the sheets must be laid in the direction of the deck ribs, side/longitudinal seams must be fully supported by aligning over the full surface of a top rib
- To achieve securely sealed seams, use a roller to apply pressure, being careful not to trap air pockets

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- All details such as internal and external corners, upstands, vent pipes, support metalwork etc. must be cut and sealed effectively
- The membrane features an outer polyester film and cannot therefore be exposed directly to the sun for prolonged periods

TECHNICAL INFORMATION

Characteristic	Value	Unit	Standard
Visible defects	Pass	-	EN 1850-1
Length	30 +2%	m	EN 1848-2
Width	1.08 ±1%	m	EN 1848-2
Thickness	0.6 ±10%	mm	EN 1849-2
Straightness	Pass	-	EN 1848-1
Mass per unit area	600 ±100	g/m ²	EN 1849-2
Resistance to impact (A150)	Pass	-	EN 12691
Tensile strength	500/50	N/mm	EN 12311-1
Tear strength	≥ 100	N	EN 12310-1
Joint peel resistance	≥ 50/50	N/mm	EN 12316-2
Joint shear resistance	≥ 400/50	N/mm	EN 12317-2
Flexibility at low temperature	-20	°C	EN 495-5
Reaction to fire	E	-	EN 13501-1
Resistance to alkalinity	Pass	-	EN 1847
Artificial ageing	Pass	-	EN 1296 / EN 1931
Water tightness	Pass	-	EN 1928
Elongation at break	≥ 2	%	EN 12311-1
Water vapour transmission	≥ 1800	m	EN 1931

SIZE, FINISH AND COLOUR

Product Code	Length (m)	Width (m)	Weight (kg)	Colour
ACVASA22S	30	1.08	19	Silver

SHELF LIFE AND HANDLING

- Store in dry conditions at temperatures between **5°C** and **35°C**
- Products should be stored horizontally
- Pallets should not be stacked on top of each other
- Shelf life is **12 months** after point of manufacture. Check container for use by date.

MATERIAL

Polymer modified bitumen (self-adhesive) with composite aluminium top layer.

PACKAGING

Packaged in white cardboard boxes.

LIMITATIONS OF USE

For professional use only.

CHEMICAL PROPERTIES, SAFETY GUIDANCE AND DISPOSAL

Please refer to **Pro-Vapour Control/Carrier Membrane SA** [Material Safety Datasheet](#).

GUARANTEES

Defects arising from lack of maintenance or abnormal use may fall outside of the cover of the Proteus Waterproofing guarantee.

GUIDELINES AND STANDARDS

It is the responsibility of the Contractor to thoroughly familiarise themselves with all relevant Codes of Practice and Building Regulations to the works or referred in the specification.

Proteus Waterproofing take no responsibility for misinterpretation or lack of knowledge for third parties.

The works shall be carried out in accordance with the requirements of:

- **BS 6229** Flat roofs with continuously supported flexible waterproof coverings - Code of practice
- **BS 8217** Reinforced bitumen membranes for roofing - Code of practice
- **BS 8000-0** Workmanship on construction sites - Introduction and general principles
- **BS 8000-4** Workmanship on building sites - Code of practice for waterproofing
- **LRWA** [Design Guide for Specifiers](#)
- **S2T** [Safe to Torch](#)
- **GRO** [Code of Best Practice](#)