



PRODUCT DETAILS

Product name	Pro-Membrane Adhesive
Product type	Moisture-curing polyurethane adhesive

PRODUCT DESCRIPTION

Pro-Membrane Adhesive is a single component, moisture-curing polyurethane adhesive for fleece-backed membranes. It has a fast-grab one-way stick action, developed specifically for bonding fleece membranes to a wide range of insulation boards. The adhesive creates a strong initial and long-lasting bond between the membrane and insulation board, which prevents the membrane from lifting.

The solvent free formulation makes it suitable for application on all insulation materials and with its extremely low odour it is suitable for sensitive application areas.

APPLICATION

Pro-Membrane Adhesive is suitable for use on the following substrates:

- Concrete
- Timber
- Metal
- Tissue and foil faced insulation (PIR, EPS, XPS)
- Asphalt
- Mineral wool

Pro-Membrane Adhesive is suitable for use with the following membranes:

- Fleece backed PVC
- TPO/TPE
- EPDM

INSTALLATION

Preparation

- Ensure all surfaces to be bonded are clean, dry and free from contamination
- Ambient and substrate temperatures must be a minimum 5°C, do not apply if rain is imminent
- Ensure membrane is cut and prepared ready to be laid into the adhesive.
- Metal surfaces should be degreased, and any flaking paint and corrosion removed.

Installation method

- Pour the **Pro-Membrane Adhesive** over the substrate in an 'S' shaped pattern
- Coverage rate is approximately 100m² per 20L polybottle
- Using a roller or squeegee, spread the adhesive across the substrate
- Once the adhesive has been spread, work the adhesive into the substrate with a lamb's wool roller to ensure consistent and uniform coverage
- Allow the solvents to evaporate from the adhesive layer for a minimum of five minutes at 20°C (time will vary depending on climatic conditions)
- Roll the fleece backed membrane into the **Pro-Membrane Adhesive** and consolidate substrates with a 20kg water filled roller to prevent any air entrapment

Cure Rate	
Temperature	Curing Time
10°C	60 minutes
20°C	30 minutes
30°C	15 minutes

Full bond strength is normally achieved withing 24 hours

TECHNICAL INFORMATION

Characteristic	Value	Unit
Viscosity @ 20°C	3000 - 4000	cps
Application Temperature	5 - 30	°C
Service Temperature	-20 - 120	°C
Solids Content	100	%
Flammability	No flash point	-

SIZE, FINISH AND COLOUR

Product Code	Height cm	Width cm	Depth cm	Volume L	Net Weight kg	Colour
ACMAR20V2	38	28	23	20	22.6	Blue

SHELF LIFE AND HANDLING

- Shelf life of **Pro-Membrane Adhesive** is 12 months
- It should be stored unopened in dry conditions at temperatures between 5 - 25°C
- The adhesive will have a limited life once the container is opened

MATERIAL

Polyurethane.

PACKAGING

Pro-Membrane Adhesive is supplied in a 20L polybottle.

LIMITATIONS OF USE

For professional use only.

CHEMICAL PROPERTIES, SAFETY GUIDANCE AND DISPOSAL

Please refer to **Pro-Membrane Adhesive** [Material Safety Datasheet](#).

GUARANTEES

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

MAINTENANCE

A flat roof should be inspected at least twice yearly; in autumn to ensure it is clear of leaves, dirt and debris, outlets are not blocked and the roof is free draining; in spring to discover and rectify any damage due to weather. Green, blue, and other specialist roofs should be inspected in accordance with the designer's original inspection plan.

Inspections should include the following elements:

- Examination of ceilings for signs of water penetration or condensation followed by examination of external walls, eaves and soffits for signs of movement
- The roof should then be inspected for any signs of damage or displacement of the individual layers of construction including, as appropriate, the waterproofing layer, the thermal insulation, the WFRL, the surface protection and flashings
- The location and extent of any build-up of leaves, moss, plants or debris should be recorded
- The mountings of roof top installations such as safety barriers, fall arrest posts, harness bolts and satellite dishes should be examined to ensure their attachment remains waterproof

Maintenance of a flat roof should involve:

- Removal of all accumulated leaves, dirt and debris
- Clearance of rainwater outlets, downpipes and gutters
- Replacement of any surface protection which has been dislodged or removed and cleaning of vents to the underside of a cold roof.

Repair / Renewal

Should inspection discover the need for repair or replacement of any part of the roof, the work should be undertaken as soon as possible but only after appraisal of the original roof design and assessment of the need for modification or improvement. Repairs should be undertaken using materials and techniques compatible with the original work and, if still under an original guarantee, by the original installer. If it is decided to renew part or all of a flat roof, a full assessment of the design should first be undertaken in accordance with Clauses 4 to 6 of BS 6229. All works of inspection, repair and renewal should be recorded in the owner's building information manual.

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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](#)