



PRODUCT DETAILS

Product name **Proteus Pro-Bond Foaming**

Product type Adhesive

PRODUCT DESCRIPTION

Proteus Pro-Bond Foaming roofing adhesive can be used for the attachment of insulation boards and fleece-backed single-ply membranes to a variety of substrates on flat roofs

APPLICATION

Proteus Pro-Bond Foaming roofing adhesive can be used for adhesion of insulation boards and fleece-backed single-ply membranes to a variety of substrates on flat roofs.

The adhesive is dispensed as foam which cures within **20 to 30 minutes**.

Proteus Pro-Bond Foaming roofing adhesive is compatible with the following insulation boards:

- PIR
- EPS
- XPS
- Mineral Wool
- Cellular Glass

Proteus Pro-Bond Foaming roofing adhesive is compatible with the following substrates:

- Concrete
- Timber
- Metal
- Bitumen
- Asphalt

INSTALLATION

Substrate Preparation

- 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 or insulation should be cut out, repaired, and reinstated to provide a solid base
- Surfaces should be sound, clean, dry, free from defects, visible dampness, fungal growth, and corrosion
- Adhesion tests may be required to confirm substrate suitability before installation

Preparation of Product

- Shake the can vigorously for **30 seconds**
- Screw the threaded end of the gun onto the valve
- During dispensing, the can must be held inverted with the valve in bottom position.
- To extrude the foam, pressure must be carefully applied to the gun trigger which can be adjusted by turning the round knob at the rear of the gun dispenser
- Test by spraying into a container prior to use

Installation Methods/Tools

Apply Proteus Pro-Bond Foaming onto the substrate at the following bead size and spacings:

Building Height (m)	Parapet Height (mm)	Perimeter Band Width (m)	Spacing (mm)	Spacing at Perimeter (mm)			
< 6	< 600	1	300	150			
	> 600	0		300			
6 - 12.5	< 600	2		150			
	600 -1200	1		150			
	> 1200	0		300			
12.5 - 21.5	< 600	3		300	150		
	600 -1200	2					
	> 1200	1					
21.5 - 30.5	< 600	4				300	150
	600 -1200	3					
	> 1200	3					

- **Proteus Pro-Bond Foaming** roofing adhesive can also be applied onto the insulation board
- Where possible, beads should run across the width of the insulation boards rather than the length
- Apply the insulation board to the substrate within seven minutes of spraying the beads (depending on outside conditions) and press firmly
- When applying **Proteus Pro-Bond Foaming** adhesive, the insulation boards must be placed end-to-end with staggered joints in alternating rows
- Walk on the boards immediately to spread the beads for maximum contact. Continue to walk on the insulation boards at intervals for about 10 minutes or until bonded
- Humidity directly affects curing time. Under low humidity conditions **Proteus Pro-Bond Foaming** adhesive will take longer to cure
- Fresh foam spills must be removed immediately within the Tack-Free time using **Proteus Pro-Bond Foaming Gun Cleaner**, or similar cleaning solution
- Once foam has cured, it will need to be removed mechanically if required
- If working on small areas with intervals, during the intervals leave the gun dispenser on the **Proteus Pro-Bond Foaming** can and turn the screw on the back of the gun clockwise until it stops. Reverse when re-starting adhesion process
- When a can becomes empty, immediately screw the gun onto another can, cleaning it with **Proteus Pro-Bond Foaming Gun Cleaner** if necessary
- Following significant stoppages of a week or more, it is advisable to remove and replace the **Proteus Pro-Bond Foaming** adhesive can with **Proteus Pro-Bond Foaming Gun Cleaner**. Squirt through until clear then tighten back screw whilst leaving the gun cleaner on the gun

Product	Bond strength (kN/m)	Bead width (mm)	Spacing (mm)	Coverage rate (m ²)
Pro-Bond Foaming (2 kg)	1.5	19 - 25	300	14
Pro-Bond Foaming (13.5 kg)				100

Cleaning

- Close valve on the gun, connect **Proteus Pro-Bond Foaming Gun Cleaner** adapter to the thread on the hose. Once it is seated properly, tighten securely
- Screw **Proteus Pro-Bond Foaming Gun Cleaner** on to the **Proteus Pro-Bond Foaming Gun** cleaning adapter. Once it is seated properly, tighten securely
- Open valve on the gun and flush cleaner through the gun & hose kit
- Close valve on the gun and remove can and adapter. The gun & hose kit is ready to be used again

TECHNICAL INFORMATION

Characteristic	Unit	Value
Relative Density at 25°C	g/cm ³	1.1 - 1.2
Working Temperature	°C	5 - 35

SIZE, FINISH AND COLOUR

Product Code	Product Description	Volume (L)	Weight (kg)	Box Quantity
ACBOFO75	Proteus Pro-Bond Foaming	0.75	2	12
ACBOF135	Proteus Pro-Bond Foaming	-	13.5	1
ACBOFOGC	Proteus Pro-Bond Foaming Gun Cleaner	0.5	1	12
ACLOBAGU	Proteus Pro-Bond Foaming Long Barrel Applicator Gun	-	-	1
ACSHBAGU	Proteus Pro-Bond Foaming Short Barrel Applicator Gun	-	-	1

SHELF LIFE AND HANDLING

- Storage temperature: **5°C - 30°C**
- Shelf life of product is **18 months**
- Tack free time is **7 minutes**
- Cut time is **25 minutes**
- Always store and transport cans in an upright position and in dry conditions
- Once a can has been started, it should be used **within 4 weeks**
- Cans should not be stored in hot areas, such as vehicles in direct sunlight
- If aerosol can has become bonded to gun, do not use force to loosen it, as there is danger of uncontrolled product release
- If product does not flow easily, do not force product out of the can

MATERIAL

Polyurethane foam.

PACKAGING

Supplied in **2 kg** and **13.50 kg** canisters.

LIMITATIONS OF USE

For professional use only.

CHEMICAL PROPERTIES, SAFETY GUIDANCE AND DISPOSAL

Please refer to **Proteus Pro-Bond Foaming** [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](#)