Pro-Bond Foaming

PRODUCT DATASHEET v1.1 | NOVEMBER 2025

PRODUCT DETAILS

Product name	**Pro-Bond Foaming**
Product type	Adhesive

PRODUCT DESCRIPTION

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

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**.

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

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

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

- Concrete
- Timber
- Metal
- Bitumen
- Asphalt

INSTALLATION

Substrate Preparation

- Repair substrate defects 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
- 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
- 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
- Open '*Back Screw*' and distribute a small amount of Pro-Bond Foaming into a box / container or onto a polythene sheet prior to use

Proteus Waterproofing Limited
21a Sirdar Road
Brook Road Industrial Estate Rayleigh
Essex SS6 7XF

Telephone 01268 777 871
E-mail office@proteuswaterproofing.co.uk
Website www.proteuswaterproofing.co.uk

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	Standard Spacing mm	Spacing at Perimeter mm
< 6	< 600	1	300	150
6 - 12.5	< 600 600 -1200	2 1		150 150
12.5 - 21.5	< 600 600 -1200 > 1200	3 2 1		150
21.5 - 30.5	< 600 600 -1200 > 1200	4 3 3		

- Wear suitable protective eyewear and gloves whilst using the product
- It is recommended that insulation boards being bonded do not exceed 1.2m x 1.2m
- Ensure that the can is inverted at all times
- The insulation boards are placed and gently pushed into the **Pro-Bond Foaming**
- The boards MUST NOT be walked on for at least 10 minutes and/or until the Pro-Bond Foaming is fully cured
- The board should be staggered (brick format) over the roof area
- Fresh foam spills must be removed immediately within the Tack-Free time using **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 **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 **Pro-Bond Foaming Gun Cleaner** if necessary
- Following significant stoppages of a week or more, it is advisable to remove and replace the **Pro-Bond Foaming** adhesive can with **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	Standard Spacing mm	Coverage rate m²
Pro-Bond Foaming 2 kg	1.5	20 - 25	300	14
Pro-Bond Foaming 13.5 kg				100

Cleaning

- Close valve on the gun, connect **Pro-Bond Foaming Gun Cleaner** adapter to the thread on the hose. Once it is seated properly, tighten securely
- Screw **Pro-Bond Foaming Gun Cleaner** on to the **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	Value	Unit
Relative Density at 25°C	1.1 – 1.2	g/cm³
Working Temperature	5 - 35	°C

SIZE, FINISH AND COLOUR

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

Proteus Waterproofing Limited
21a Sirdar Road
Brook Road Industrial Estate Rayleigh
Essex SS6 7XF

Telephone 01268 777 871
E-mail office@proteuswaterproofing.co.uk
Website www.proteuswaterproofing.co.uk