

PRODUCT DETAILS

Product name **Pro-Bond Foaming**

Product type Adhesive

PRODUCT DESCRIPTION

Pro-Bond Foaming is a single component moisture cure Polyurethane foam adhesive used for bonding insulation boards to waterproofing membranes.

APPLICATION

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

- PIR
- EPS
- Mineral Wool
- Cellular Glass
- VIP
- Cementitious insulations

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

- Concrete
- Timber
- Metal
- Bitumen membranes
- Asphalt
- Self-adhesive waterproofing membranes

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 should be carried out 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

Installation

Apply **Pro-Bond Foaming** onto the substrate at the following bead size and bead spacings as dictated by the building height. Please also note the distance from the perimeter, where bead spacing is reduced to account for increased wind forces acting in that zone:

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 board should be staggered (brick format) over the roof area, overlapped by a minimum of 300mm, with no gaps between abutments
- 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 boards are set in place with no movement
- The **Pro-Bond Foaming** adhesive will be fully cured after 24 hours
- Fresh foam spills must be removed immediately 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	Bead Width mm	Approximate Coverage Rate m ²
750 mL Can	20 - 25	12
13.7 L Canister	20 - 25	160
22 L Canister	20 - 25	350

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
Product Colour (750mL can)	Grey	-
Product Colour (13.7L and 22L canisters)	Green	-
Temperature Resistance	-30 to 160	°C
VOC Content	431	g/L
Solids	100	%
Flash Off time	5	minutes
Tack Free Time	10	minutes

SIZES

Product Code	Product Description	Volume L	Weight kg
ACBOFO01V1	Pro-Bond Foaming Can	0.75	0.85
ACBOFO14V1	Pro-Bond Foaming Canister	13.7	13.9
ACBOFO22V1	Pro-Bond Foaming Canister	22	21.2
ACBOFOCLV1	Pro-Bond Foaming Gun Cleaner	0.5	1
ACSHWAGU	Short Wand Applicator Gun (for 750ml can)	-	-
ACLOWAGU	Long Wand Applicator Gun (for 750ml can)	-	-
ACLOWACG	Long Wand Applicator Gun (for canister)	-	-
ACSSBH04	4m Stainless Steel Braided Hose (for canister)	-	-

SHELF LIFE AND HANDLING

- Storage temperature: **5°C – 25°C**, DO NOT store in temperatures above **50°C**
- For optimum performance, store at **18°C** during use, but must always be above **10°C**
- Do not store directly on concrete floor
- When connected, keep valve open and hose pressurised at all times
- Do not close valve until ready to connect to new cylinder
- Release pressure in hose before disconnection
- Shelf life of product is **9 months**
- Always store and transport cans in an upright position and in dry conditions
- Once a can has been opened, 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

Polyethylene polyphenol.

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PACKAGING

Supplied in a **750ml** can, **13.7L** and **22L** 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](#)