



## PRODUCT DETAILS

Product name	<b>Proteus Hot Melt® Protection Board</b>
Product type	Roof recovery board & temporary protection

## PRODUCT DESCRIPTION

**Proteus Hot Melt® Protection Board** is a **3mm** semi-flexible non-compressible protection board fabricated with an APP/SBS bituminous core and reinforced with two layers of polyester reinforcement carrier for high strength and puncture resistance.

## APPLICATION

**Proteus Hot Melt® Protection Board** can be used in the following situations:

- Recovery board over existing hot melt systems prior to a Proteus waterproofing product being applied
- Temporary or permanent protection of waterproofing membranes prior to applying the final finishes

**Proteus Hot Melt® Protection Board** is suitable for use with the following systems:

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

## INSTALLATION

### Preparation

- **Proteus Hot Melt® Protection Board** is easily cut on site with a sharp knife and formed to fit curves/angles by gently heating
- **Proteus Hot Melt® Protection Board** can be mechanically fixed onto the substrate or bonded with **Pro-Bond Foaming**
- Before installation starts, the polyethylene film coating must be removed from both sides of the **Proteus Hot Melt® Protection Board**

### Horizontal fixing

- **Proteus Hot Melt® Protection Board** should be bonded to the surface using **Pro-Bond Foaming**
- When overlaying with self-adhesive membranes, **Proteus Hot Melt® Protection Board** must first be primed with **Pro-Prime® SA**
- Liquid waterproofing systems should be installed on to the **Proteus Hot Melt® Protection Board** as per the relevant Proteus product datasheet

### Vertical fixing

- **Proteus Hot Melt® Protection Board** should be fixed to vertical upstands using **Pro-Bond Foaming**, or mechanical fixings

### Temporary protection

- To protect the waterproofing prior to insulation boards and/or roof finishes being installed, loose lay the **Proteus Hot Melt® Pro-Protection Boards** over the waterproofing, securing joints with a heavy-duty tape
- **Proteus Hot Melt® Pro-Protection Boards** must be removed prior to roof finishes being installed

## Permanent protection for finished waterproofing

- Prior to the installation of surface finishes to help prevent point loading, with paving slabs on supports subsequently being laid onto the board
- For main flat areas, **Proteus Hot Melt® Protection Board** should be loose laid over the waterproofing membrane

## TECHNICAL INFORMATION

Characteristic	Value	Unit	Standard
Visible defects	None	N/m <sup>2</sup>	EN 1850-1
Length	2	m	EN 1848-1
Width	1	m	EN 1848-1
Mass per unit area	3.85 ±10%	kg/m <sup>2</sup>	EN 1849-1
Thickness	3	mm	EN 1849-1
Resistance to static loading	25	kg	EN 12730
Resistance to impact	>700	mm	EN 12691
Reaction to fire	F	-	EN 13501-1
Water absorption	<0.55	%	ASTM D5147
Puncture resistance	1200   32	N   mm	ASTM D514
Boiling Point	177	°C	-
Flash Point	250	°C	-
Auto flammability	>300	°C	-

## SIZE, FINISH AND COLOUR

Product Code	Length (m)	Width (m)	Thickness (mm)	Weight (kg)	Colour
ACPRBO02	2	1	3	7	Black

## HANDLING

- Store in a dry ventilated area room far from sources of heat and direct sunlight
- Always use relevant safe manual handling techniques relevant to a products size and weight
- Safety glasses with side shields and gloves when handling
- Use product in a well-ventilated area

## MATERIAL

- Atactic Poly Propylene and Styrene Butadiene Styrene
- **>75%** bitumen content (mix of APP and SBS)
- Polyester carrier fleece
- Polyethylene film

## PACKAGING

- Packed **200** sheets per pallet
- Total packaged weight is **1400 kg**

## LIMITATIONS OF USE

For professional use only.

## CHEMICAL PROPERTIES, SAFETY GUIDANCE AND DISPOSAL

Please refer to **Pro-Protection Board** [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](#)