

PROTEUS PRO-THERM VIP INVERTED



PRODUCT DATASHEET

V1.0 | MARCH 2025



PRODUCT DETAILS

Product name	Proteus Pro-Therm VIP Inverted
Product type	Insulation

PRODUCT DESCRIPTION

Proteus Pro-Therm VIP Inverted offers advanced insulation through a vacuum-based panel design with a highly efficient core, sealed in a slim, protective layer to maximize heat retention.

Its robust coating ensures easy installation and durability on-site, making it adaptable for fitting around structural elements like vents, lighting fixtures, or other protrusions.

Perfect for both new builds and renovations, this solution significantly boosts thermal efficiency, especially in space-constrained areas, enhancing overall energy performance.

APPLICATION

Proteus Pro-Therm VIP Inverted can be used with the following waterproofing systems:

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

Proteus Pro-Therm VIP Inverted is appropriate for the following roof types:

- Inverted
- Podium decks
- Green roofs
- Balconies and terraces

INSTALLATION

Installation method

- **Proteus Pro-Therm VIP Inverted** panels should not be cut or penetrated
- **Proteus Pro-Therm VIP Inverted** must be laid over the chosen waterproofing, and a **Proteus Pro-Therm VIP Rubber Crumb Mat**
- The **Proteus Pro-Therm VIP** panels should be laid in chessboard pattern where practical, with joints lightly butted together. There should be no gaps at abutments.
- Where runs of **Proteus Pro-Therm VIP Inverted** do not accurately fit the dimension of the roof, follow the Proteus Waterproofing design or contact Proteus Waterproofing for specific design requests for infilling gaps
- **Proteus Pro-Therm Low-K** separation layer can then be laid over the insulation panels as per its individual Data Sheet guidance

TECHNICAL INFORMATION

Characteristic	Value	Unit	Standard
Compressive strength @10%	>150	kPa	EN 826
Reaction to fire	E	-	EN13501-1

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SIZE, FINISH AND COLOUR

Length mm	Width mm	Thickness mm	Thermal conductivity W/m.K	Thermal Resistance m ² .K/W	Colour
600	400	20	0.008	2.50	Grey
600	400	25	0.008	3.10	Grey
600	400	30	0.008	3.75	Grey
600	400	40	0.008	5.00	Grey
600	400	50	0.008	6.25	Grey
600	600	20	0.008	2.50	Grey
600	600	25	0.008	3.10	Grey
600	600	30	0.008	3.75	Grey
600	600	40	0.008	5.00	Grey
600	600	50	0.008	6.25	Grey
1200	400	20	0.008	2.50	Grey
1200	400	25	0.008	3.10	Grey
1200	400	30	0.008	3.75	Grey
1200	400	40	0.008	5.00	Grey
1200	400	50	0.008	6.25	Grey
1200	600	20	0.008	2.50	Grey
1200	600	25	0.008	3.10	Grey
1200	600	30	0.008	3.75	Grey
1200	600	40	0.008	5.00	Grey
1200	600	50	0.008	6.25	Grey
1200	300	20	0.009	2.20	Grey
1200	300	25	0.009	2.75	Grey
1200	300	30	0.009	3.30	Grey
1200	300	40	0.009	4.40	Grey
1200	300	50	0.009	5.55	Grey

Each project is designed individually to suit specific needs by our in-house design team
Tapered schemes are also available

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SHELF LIFE AND HANDLING

- **Proteus Pro-Therm VIP Inverted** should be stored inside and raised off the floor
- **Proteus Pro-Therm VIP Inverted** should not be exposed to direct sunlight for more than four weeks
- Always use relevant safe manual handling techniques relevant to a products size and weight

MATERIAL

Vacuum sealed insulation panel with a microporous core which is evacuated, encased and sealed in a thin, gas-tight envelope, encapsulated within a robust coating.

PACKAGING

Wrapped pallet.

LIMITATIONS OF USE

For professional use only.

Proteus Pro-Therm VIP Insulation must not be cut and is used in conjunction with **Proteus Pro-Therm XPS Plus** insulation, which is used around the perimeter and detailing.

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](#)