PROTEUS PRO-THERM
VIP

PRODUCT DETAILS

Product name	**Proteus Pro-Therm VIP**
Product type	Insulation

PRODUCT DESCRIPTION

Proteus Pro-Therm VIP delivers cutting-edge insulation using vacuum-sealed panels with a highly efficient core, wrapped in a sleek, durable casing to optimize heat retention.

This solution excels in both renovations and new projects, improving energy efficiency in challenging, space-limited areas while enhancing overall thermal performance.

Its slim design ensures maximum insulation with minimal thickness, making it ideal for constrained builds.

APPLICATION

Proteus Pro-Therm VIP Insulation is suitable for use in built up roof constructions on flat roofs, balconies and terraces with the following waterproofing systems:

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

Proteus Pro-Therm VIP Insulation is suitable for installation on the following substrates:

- Timber
- Concrete
- Metal

INSTALLATION

Installation method

- **Proteus Pro-Therm VIP** panels should not be cut or penetrated
- **Proteus Pro-Therm VIP** must be laid over **Pro-Vapour Control/Carrier Membrane SA,** and a **Proteus Pro-Therm VIP Rubber Crumb Mat**, bonded using **Pro-Bond Foaming**
- The **Proteus Pro-Therm VIP** panels should be laid in a staggered pattern where practical, with joints lightly butted. There should be no gaps at abutments.
- Where runs of **Proteus Pro-Therm VIP** 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

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 m²·K/W	Colour
300 - 1200	300 - 600	20	0.007	2.85	Silver
300 - 1200	300 - 600	25	0.007	3.55	Silver
300 - 1200	300 - 600	30	0.007	4.25	Silver
300 - 1200	300 - 600	40	0.007	5.70	Silver
300 - 1200	300 - 600	50	0.007	7.10	Silver

Each project is designed individually to suit specific needs by our in-house design team
Other sizes might be available as well as tapered schemes

Shelf Life and Handling

- **Proteus Pro-Therm VIP** should be stored inside and raised off the floor
- **Proteus Pro-Therm VIP** 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.

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 HP PIR 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