



PRODUCT DETAILS

Product name	Proteus Pro-Cold®
Product type	Cold applied liquid waterproofing membrane

PRODUCT DESCRIPTION

Proteus Pro-Cold® is a high performance, cold applied, seamless, elastomeric, liquid applied membrane for waterproofing exposed and protected flat and pitched roof areas.

It is a single pack, moisture triggered polyurethane, quickly resistant to rain at application stage and can cure under water without gassing or foaming. It is designed to provide a monolithic, waterproof, liquid applied membrane that does not brittle with age.

The excellent and long-lasting performance of **Proteus Pro-Cold®** liquid applied membrane is provided by its polyurethane characteristics in combination with **Pro-Force 225** reinforcement.

APPLICATION

Proteus Pro-Cold® is suitable for the following substrates:

- Concrete and screeds
- Metal
- Timber
- Existing asphalt
- Existing bituminous felt membrane
- Existing single ply membrane
- Proteus Pro-Therm insulation

Proteus Pro-Cold® is suitable for the following areas:

- Flat roofs (exposed and protected)
- Terraces
- Balconies
- Overlay
- Bridge decks
- Overpasses
- Podiums
- Wet areas

Note: some surfaces may require priming or sacrificial layers.

INSTALLATION

Please see the **Proteus Pro-Cold®** [Application Guide](#) for installation instructions.

CERTIFICATION

Type	Name	Reference
BBA	Proteus Pro-Cold®	22/6497

TECHNICAL INFORMATION

Characteristic	Value	Unit	Standard
Specific weight	1.50 ± 0.03	g/ml	EN 2811-1

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Characteristic	Value	Unit	Standard
Density	1500	kg/m ³	-
Chemical resistance - aviation fuel	Class II	-	UNI EN 13529
Viscosity at 20°C	25 ± 5	Pa*s	EN 2555
Solid content volume weight	83 87	%	EN 3251
Thickness	1 – 1.25	mm	-
Permeability to carbon dioxide	S _d > 50	m	EN 1062-6
Permeability to water vapour	S _d < 5	m	EN 7783-2
Capillary absorption/permeability to water	< 0.1	kg/m ² *h ^{0.5}	EN 1062-3
Adhesion to concrete traction	> 1.5	MPa	EN 1542
Tensile strength	> 6	MPa	EN 12311-2
Elongation at failure	> 600	%	EN 12311-2
Shore A Hardness	70	-	EN ISO 868

SIZE, FINISH AND COLOUR

Product Code	Width mm	Height mm	Volume L	Weight kg	Colour
PCMONO15SG	305	275	15	23	Slate Grey
PCMONO15LG	305	275	15	23	Light Grey

SHELF LIFE AND HANDLING

- Shelf life is **12 months** after point of manufacture. Check container for use by date
- Storage area temperature should be between **5°C** and **30°C**, stored off the ground in a covered dry store, and out of direct sunlight
- Tins should be stored in an upright position, away from heat sources

MATERIAL

Polyurethane.

PACKAGING

Proteus Pro-Cold® is supplied in sealed, labelled tins.

LIMITATIONS OF USE

- For professional use only
- **Proteus Pro-Cold®** is not suitable for inverted roofs
- The substrate and ambient temperature should be between **5°C to 35°C**
- Application in adverse weather conditions such as high humidity, rain, etc, should be avoided
- Ambient Relative Humidity should be at a **maximum of 85%**

CHEMICAL PROPERTIES, SAFETY GUIDANCE AND DISPOSAL

Please refer to **Proteus Pro-Cold®** [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](#)