



PRODUCT DETAILS

Product name	Proteus Pro-BW[®] Plus Resin
Product type	Resin for Proteus Pro-BW [®] Plus system

PRODUCT DESCRIPTION

Proteus Pro-BW[®] Plus resin is an inactivated product for use within the **Proteus Pro-BW[®] Plus** system.

It must be mixed with **Proteus Pro-BW[®] Plus Catalyst** to activate the curing process to create a waterproof membrane.

APPLICATION

Proteus Pro-BW[®] Plus is appropriate for the following substrates:

- Concrete
- Plywood
- Asphalt
- Bituminous felt
- Single ply membranes

Proteus Pro-BW[®] Plus is suitable for use on the following areas:

- Walkways and balconies
- Protected built-up roof
- Inverted built-up roof
- Warm built-up roof
- Warm deck
- Cold deck

Note: Some surfaces may require priming or sacrificial layers.

A wet electronic leak test is required for all inverted/buried systems prior to the waterproofing membrane being covered.

INSTALLATION

Please see the **Proteus Pro-BW[®] Plus Application Guide** for installation instructions.

CERTIFICATION

Type	Name	Reference
BBA	Proteus Pro-BW[®] Plus	18/5574
EPD	Proteus Pro-BW[®] Plus	S-P-07416

TECHNICAL INFORMATION

Characteristic	Value	Unit	Standard
Skid Resistance Value	Wet >36	PTV	BS 8204-2
Tensile strength	Unaged 3307 Heat aged 4851 UV aged 4911	N/50mm	BS EN ISO 527-3
Elongation at maximum load	Unaged 3.7 Heat aged 2.8 UV aged 3.1	%	BS EN ISO 527-3
Physical state	liquid	-	-
Odour threshold	0.15 - 25	ppm	-
Initial boiling point and boiling range	145	°C	-
Flash point	32	°C	-
Flammability	Flammable	-	-
Upper explosive limit	6.1	%	-
Lower explosive limit	1.1	%	-
Vapour pressure	0.67	kPa	-
Vapour density (air = 1)	3.6	-	-
Relative density (water = 1)	1.33	-	-
Auto-ignition temperature	490	°C	-
Viscosity	2800 - 3600	cSt	-

SIZE, FINISH AND COLOUR

Product Code	Diameter (cm)	Height (cm)	Size (L)	Colour
BWPL10C	31	25	10	Clear
BWPL10	31	25	10.3	Mid Grey
BWPL10UP	31	25	10	Unpigmented
BWPL10VG	31	25	10.3	Verdi Green

SHELF LIFE AND HANDLING

- Shelf life is **12 months** after point of manufacture. Check container for use by date
- Store in a cool, well-ventilated area
- Should be stored in original securely sealed containers off the ground in a covered dry store, and out of direct sunlight and away from naked flames or ignition sources
- Protect from frost
- If stored at low temperatures, the product should ideally be brought up to at least **10°C** before installation begins

MATERIAL

Flexible polyester.

PACKAGING

Supplied in sealed, labelled metal tins.

LIMITATIONS OF USE

- For professional use only

CHEMICAL PROPERTIES, SAFETY GUIDANCE AND DISPOSAL

Please contact [Proteus Waterproofing](#) for details.

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](#)