

PRODUCT DETAILS

Product name **Proteus Sealant**

Product type Sealant

PRODUCT DESCRIPTION

Proteus Sealant is a high quality, single component, polyurethane-based elastic solution for a wide range of sealing and bonding applications.

APPLICATION

Proteus Sealant is suitable for use with the following waterproofing membranes:

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

INSTALLATION

Substrate preparation

- Repair Substrate defects such as holes, voids, tears, and cracks, using suitable materials
- All loose and friable material must be removed by mechanical means where necessary
- Oil, dust, and debris should be removed by brush and vacuum
- Any defective or decayed areas of the substrate or insulation should be cut out, repaired, and reinstated to provide a solid base
- Surfaces should be sound, clean, dry, free from defects, visible dampness, fungal growth, and corrosion
- Adhesion tests may be required to confirm substrate suitability before installation
- All details should be primed prior to installation. Contact Proteus for specific information on priming

Treatment of cracks and joints

- Cracks and splits greater than **0.5mm** should be neatly cut out and repaired using an appropriate repair material

Installation method

- Apply with a manual or pneumatic caulking gun as per the below application widths

Purpose	Minimum Width (mm)	Maximum Width (mm)
Bonding	2	10
Joints	5	30
Sealing Joints	10	60

- Finish with a soapy finishing solution before skinning

Cleaning of tools

- Clean with **Proteus Pro-Tool Surface Cleaner** immediately after use

TECHNICAL INFORMATION

Product Codes ACHYSEAL and ACHYSEBL			
Characteristic	Standard	Unit	Value
Skin Formation (20°C 65% R.H.)	-	Ca	15
Curing speed (20°C 65% R.H.)	-	Mm/h	3/24
Hardness	-	Shore A	40 ± 5
Density	-	g/ml	1,3
Elastic recovery	ISO 7389	%	> 80
Maximum allowed distortion	-	%	± 20
Temperature resistance	-	°C	-30 - 90
Max. tension	DIN 53504	N/mm ²	1.7
Elasticity modulus 100%	DIN 53504	N/mm ²	0.8
Elongation at break	DIN 53504	%	700
Application temperature	-	°C	5 - 35

Product Code ACHYSEAG			
Characteristic	Standard	Unit	Value
Skin Formation (20°C 65% R.H.)	-	Ca	10
Curing speed (20°C 65% R.H.)	-	Mm/h	2/24
Hardness	-	Shore A	25 ± 5
Density	-	g/ml	1.45
Elastic recovery	ISO 7389	%	>70
Maximum allowed distortion	-	%	± 25
Temperature resistance	-	°C	-40 - 90
Max. tension	DIN 53504	N/mm ²	1.3
Elasticity modulus 100%	DIN 53504	N/mm ²	0.8
Elongation at break	DIN 53504	%	900
Application temperature	-	°C	5 - 35

SIZE, FINISH AND COLOUR

Product Code	Diameter (mm)	Height (mm)	Colour	Material	Volume (ml)
ACHYSEAL	50	230	Light Grey	Polyurethane	310
ACHYSEBL	50	230	Black	Polyurethane	310
ACHYSEAG	50	230	Anthracite	MS Polymer	290

SHELF LIFE AND HANDLING

Shelf life is **12** months after point of manufacture. Check container for use by date.

Should be stored at temperatures between **5°C** and **25°C**.

PACKAGING

Packaged in a **290 ml** or **310 ml** aluminium cartridge.

LIMITATIONS OF USE

For professional use only.

There is no adhesion on glass or PE, PP, PTFE (Teflon®), silicones and bituminous substrates. When painted with oxidative drying paints, there may be disturbances in the drying of the paint. We recommend a compatibility test before carrying out these applications.

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](#)