



PRODUCT DETAILS

Product name **Proteus Pro-Felt® SA Underlay Sanded**
Product type Self-adhesive underlay

PRODUCT DESCRIPTION

Proteus Pro-Felt® SA Underlay Sanded is a reinforced polyester elastomeric bitumen membrane. The upper surface is finished with silica sand and the underside is coated with a silicon release film.

A bond is achieved by removing the protective release film from the underside of the membrane then adhering it onto a suitable deck with either **Proteus Pro-Prime® SA** or heat activation through the selected capsheet.

APPLICATION

Proteus Pro-Felt® SA Underlay Sanded is suitable for use on the following substrates:

- Timber
- Heat sensitive insulation panels
- Concrete
- Asphalt
- Felt

Proteus Pro-Felt® SA Underlay Sanded is suitable for use within **Safe2Torch** zones.

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
- The slope must be at least **1.5%** on concrete decks and **3%** for steel or wooden ones, this to guarantee a proper rainwater run off
- 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
- All surfaces except insulation must be primed with **Proteus Pro-Prime® SA** prior to installation

Installation method

- All lap joints must be overlapped and completely sealed as per the following table:

Lap Dimensions (mm)	
Side Laps	80
End Laps	100
Upstands	100

Overlaps should be heat welded, ensuring a continuous 5mm bitumen bead extruding from all laps

- When applying on verticals, the apex of the membrane must be mechanically fixed with a proper flashing; where possible it is advisable to go up and over the vertical and on to the horizontal surface
- When installing onto insulation, **Proteus Pro-Felt® SA Underlay Sanded** should be loose laid then heat activated when the torch applied capsheet is installed
- Remove the protective release film from the underside of the **Proteus Pro-Felt® SA Underlay Sanded**, then adhering it directly onto the **Proteus Pro-Prime® SA** layer
- Use a suitable roller to apply pressure over the surface of the membrane to ensure adequate adhesion

TECHNICAL INFORMATION

Characteristic	Value	Unit	Standard
Weight	1.9	kg/m ²	-
Thickness	2	mm	-
Visible defects	No	-	EN 1850-1
Straightness	< 20	mm/10 m	EN 1848-1
Watertightness at 60 kPa	Pass	kPa	EN 1928-B
Maximum tensile strength (L/T)	400/300	N/50 mm	EN 12311-1
Elongation (L/T)	35/35	%	EN 12311-1
Resistance to tearing (L/T)	120/120	N	EN 12310-1
Dimensional stability	-0.3	%	EN 1107-1
Cold flexibility	-25	°C	EN 1109
Reaction to fire	F	-	EN 13501-1

SIZE, FINISH AND COLOUR

Product Code	Length (m)	Width (m)	Thickness (mm)	Weight (kg)	Colour	Finish
FPFULSSA16	16	1	2	30	Black	Sanded

SHELF LIFE AND HANDLING

Store the rolls in an upright position in the original packaging, indoors and in dry and warm areas.

It is recommended to store the product at temperatures above **0°C**.

Always use relevant safe manual handling techniques relevant to a products size and weight.

MATERIAL

Compound: Elastomeric polymer bitumen SBS

Reinforcement: Single strand polyester

PACKAGING

Felt rolls wrapped with paper seal.

LIMITATIONS OF USE

For professional use only.

CHEMICAL PROPERTIES, SAFETY GUIDANCE AND DISPOSAL

Please refer to **Proteus Pro-Felt® SA Underlay Sanded** [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](#)