

## PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Proteus Pro-Felt® SL Capsheet

**COMPANY:** Proteus Industrial Technologies Ltd, 21a Sirdar Road, Brook Road Industrial Estate, Rayleigh, Essex SS6 7XF, United Kingdom

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## Description

Proteus Pro-Felt® Torch-On membranes offer clients a high performance and cost effective solution, with a choice of capsheet weights for additional flexibility. Proteus Pro-Felt® Torch-On is highly elastomeric and excels as a direct waterproofing overlay to existing substrates, or as a system element of the robust Proteus built-up roof system, incorporating Proteus Pro-Therm insulation.

Manufactured in Europe by market leaders in felt technology, Proteus Pro-Felt® has been designed to provide market leading performance at extreme temperatures at high altitudes. With its very high quality SBS (Styrene Butadiene Styrene) modified bitumen content, Proteus Pro-Felt® Torch-On retains its high elastomeric ability and performance and ensures your roof is protected by a durable and lasting waterproofing membrane.

## Key features

- **25 year single layer overlay**
- **Self priming technology**
- **Tested to -15°C**
- **5.5kg/m<sup>2</sup> cap sheet with high tensile strength.**
- **Black capsheet finish**
- **Ability to withstand climatic extremes**
- **Insurance backed design, materials and workmanship guarantees**

## CE marking



## Application conditions

**Surface Preparation:** All surfaces to receive Proteus Pro-Felt® Torch-On capsheets must be dry, clean and free of dust or other contaminants which may affect adhesion. Remove all sharp protrusions such as fixings, chippings, etc.

**Application:** Proteus Pro-Felt® SL Torch-On capsheets are installed with a roofing torch, onto existing substrate.

Ensure the membrane is fully bonded. All lap joints must be completely sealed, with a continuous 5mm bitumen bead extruding from all laps. Side laps to be a minimum of 80mm. End laps a minimum of 100mm. The membranes are to be laid down the line of any slope. The lap-joints should not form a water check.

- Used as a single layer, underlay may be introduced at details.
- The range includes cold installed, self-adhesive layers.
- Contact Proteus Waterproofing for bespoke specifications.

## Technical information

Specifications	Test Method	Units	Tolerance	Value
Adhesion of granules	EN 12039	%	MDV	< 30
Length/Width	EN 1848-1	m	MLV	8,00-1% / 1,0-1%
Visible defects	EN 1850-1	Visual	-	None
Mass per unit area	EN 1849-1	Kg/m <sup>2</sup>	MDV ± 10%	5,5
Straightness	EN 1848-1	mm/10 m	MLV	< 20
Watertightness at 60 KPa	EN 1928 - B	Kpa	-	Pass
External Fire Performance	EN 13501 - 5	-	-	F Roof
Reaction to fire	EN 13501 - 1	Class	-	F
Tensile strength (L/T)	EN 12311 - 1	N/50mm	MDV +/- 20%	1200 1200
Elongation (1) (L/T)	EN 12311 - 1	%	MDV -15	4 4
Resistance to tearing (2) (L/T)	EN 12310 - 1	N	MDV - 30%	200 200
Dimensional stability (L)	EN 1107 - 1	%	MLV	NPD
Cold Flexibility	EN 1109	°C	MLV	-10
Flow resistance < 2mm	EN 1110	°C	MLV	+120
Joint strength ( shear resistance)	EN 12317 - 1	N/50mm	MDV - 20%	1100 1100
Resistance to impact	EN 12691	mm	MLV	1000
Resistance to static loading	EN 12730	kg	MLV	15

1) For membranes reinforced with fibreglass : MDV - 2 absolute

2) For membranes reinforced with fibreglass : NPD (no performance determined)

Water vapour properties ( EN 1931 ) : If the factor  $\mu$  is not determined, a value of 20,000 may be used for calculation purposes

MDV = manufacturer's declared value

MLV = manufacturer's limiting value

**DANGEROUS SUBSTANCES :** We hereby declare that, as per the CLP CEE/UE n° 1272 del 16/12/2008, our product does not contain any dangerous substances. The product is made of bitumen and thermoplastic polymers, it does not contain coal tar nor asbestos and it does not require the issue of a safety data sheet. The producer places at the disposal of anybody's request an information sheet for a product correct use. (Information Sheet issued by the Italian Association of Polymer Bitumen Membrane Producers GMBP). N.B. Information about product characteristics and uses come from our long lasting experience in the field. As time passes, constant research and development could lead to changes to the information given in this data sheet without need of notice.