



Proteus

Waterproofing



PRO-FELT SYSTEMS

- *High performance built-up bituminous membrane systems*
- *Cold flexibility (down to -25°C)*
- *Lasts up to 35 years*
- *Torch-on & self adhesive applications*



GREEN INITIATIVE

Proteus Waterproofing is committed to pursuing environmentally friendly manufacturing processes and to being ecologically minded and responsible.



HIGH PERFORMANCE
FELT WATERPROOFING



The Pro-Felt Range uses advanced self-adhesive and low melt bitumen technologies which ensure the products benefit from a fast and efficient installation both in refurbishment and new build situations – to meet every client’s budget and deadline demands.

The new Pro-Felt range of Roof Systems from Proteus Waterproofing offers a high performance range of bituminous membranes, with an exceptionally high SBS content making them extremely flexible and durable.

Manufactured in Switzerland to meet the country’s rigorously demanding standards, Pro-Felt leads the market in bitumen technology, consistently outperforming alternatives throughout its whole lifecycle.

The content of SBS polymers contained in Pro-Felt enables our products to excel at high altitude temperature extremities that are integral to the Swiss domestic market, and so able to easily withstand UK conditions.

Pro-Felt is exclusively available from Proteus Waterproofing as part of the company’s market leading range of waterproofing, roofing and car park solutions. The Pro-Felt product range gives clients a long-lasting and robust waterproofing membrane, whilst providing whole ‘built up system’ solutions which include high performance thermal insulations and tapered roofing designs.

- *Highly flexible*
- *Environmentally friendly*
- *Excellent at low temperatures*
- *Guaranteed up to 25 years*
- *Available in a variety of colours*
- *Compliant with the stringent requirements of Swiss Norm*
- *All membranes are individually CE Marked*
- *Excellent waterproofing choice for intensive and extensive Green and Bio-diverse Roofs*



PRO-FELT FOR COLD ROOFS

The Proteus Waterproofing Pro-Felt range of built-up systems for Cold Roofs are tough, resilient polyester-based SBS modified bitumen membranes which are installed either by torch-on method or self adhesive application depending on the substrate involved. The membranes are finished with polypropylene film for superior installation and can be applied to timber, metal and concrete decks.

With a range of membranes to suit your requirements, our systems give a life expectancy of up to thirty five years.

Features

- **Robust cardboard cores and factory packaging reducing transport and site damage**
- **High elasticity of the material (SBS modified bitumen)**
- **High mechanical strength**
- **Diverse range of products**
- **Root barrier Capsheets for green roofs and roof gardens**
- **Finished with superior polypropylene film**
- **10, 15, 20 & 25 Year System guarantees**

Benefits

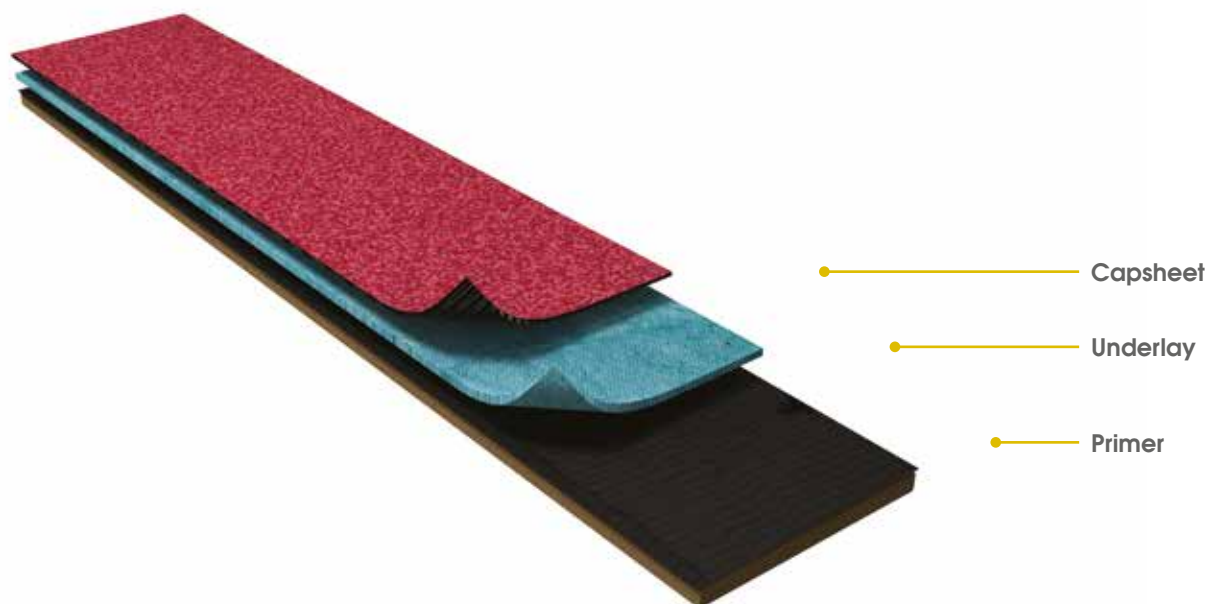
- **Torch-on or heat activated self-adhesive applications**
- **Low temperature flexibility**
- **Quick, clean and simple to install**
- **User friendly particularly in warm atmospheric temperatures**
- **Double sided film membranes**
- **Self-adhesive side laps**
- **Low flame application**
- **Lower energy costs during installation**
- **Suitable for all roof types**
- **Ease of handling**
- **Prolonged roof life**

Accreditations and approvals

- **All products are certified to ISO 9001 and 14001 accreditation**
- **CE marked**

PRO-FELT SYSTEMS FOR COLD ROOFS

PLYWOOD SUBSTRATE



Pro-Felt 10, 15, 20 Year System Build Up

	10 Year	15 Year	20 Year
Capsheet: Pro-Felt Torch-On Mineral Capsheet	4.0 kg/m ² -1x8m	4.5 kg/m ² -1x8m	5.0 kg/m ² -1x8m
Underlay: (Horizontal) Pro-Felt Self-Adhesive Heat-Activated Underlay - Film	1x16m	1x16m	1x16m
Primer: Pro-Prime SA Self-Adhesive Surface Primer			

25 Year Endura System Build Up

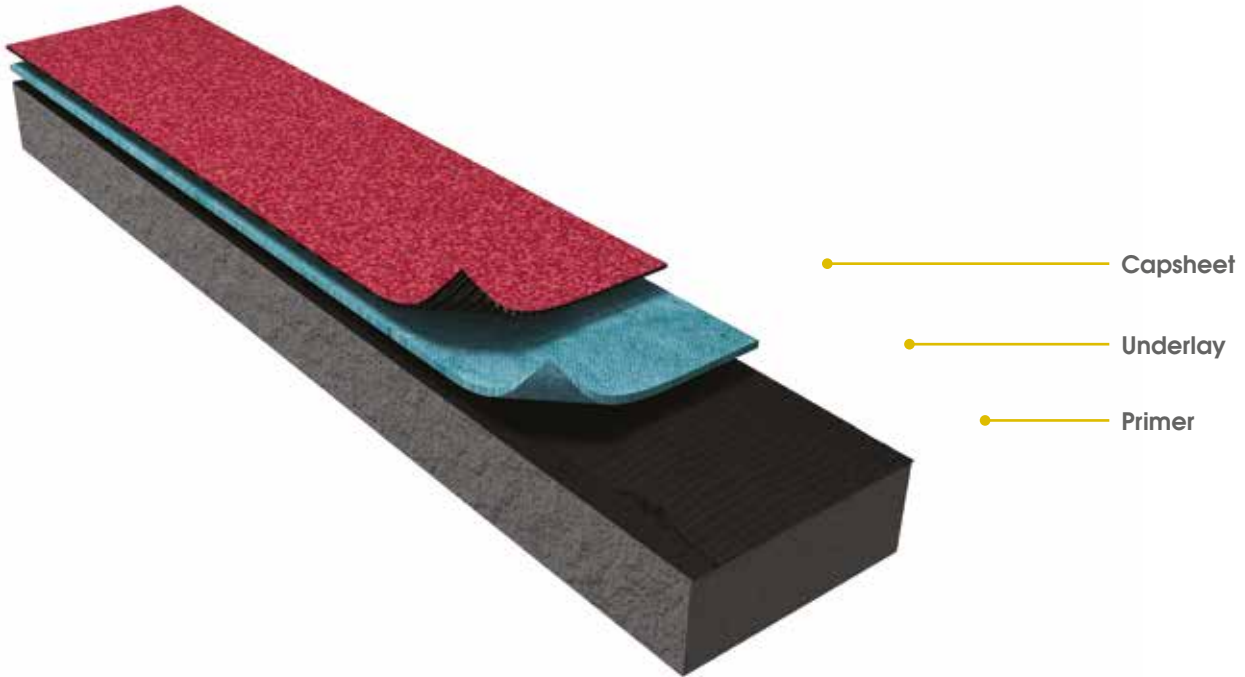
Capsheet: Pro-Felt Torch-On Mineral Capsheet	5.8 kg/m ² -1x8m
Underlay: (Horizontal) Pro-Felt Self-Adhesive Heat-Activated Underlay - Film	1x16m
Primer: Pro-Prime SA Self-Adhesive Surface Primer	

Note: Vertical Application

We offer to our clients and specifiers a choice of underlay

- 1) Self-Adhesive Heat Activated Underlay
- or
- 2) Torch On Underlay

CONCRETE DECK SUBSTRATE



Pro-Felt 10, 15, 20 Year System Build Up

	10 Year	15 Year	20 Year
Capsheet: Pro-Felt Torch-On Mineral Capsheet	4.0 kg/m ² -1x8m	4.5 kg/m ² -1x8m	5.0 kg/m ² -1x8m
Underlay: (Horizontal) Pro-Felt Torch-On Sanded Dispersion Underlay	1x10m	1x10m	1x10m
Primer: Pro-Prime Bitumen Surface Primer			

25 Year Endura System Build Up

Capsheet: Pro-Felt Torch-On Mineral Capsheet	5.8 kg/m ² -1x8m
Underlay: (Horizontal) Pro-Felt Torch-On Sanded Dispersion Underlay	1x10m
Primer: Pro-Prime Bitumen Surface Primer	

Note: Vertical Application

We offer to our clients and specifiers a choice of underlay

- 1) Self-Adhesive Heat Activated Underlay
- or
- 2) Torch On Underlay



PRO-FELT WARM ROOF SYSTEMS

The Proteus Waterproofing Pro-Felt range of built-up systems for Warm Roofs are tough, resilient polyester-based SBS modified bitumen membranes which are installed either by torch-on method or self-adhesive installation depending on the substrate involved. The membranes are finished with polypropylene film for superior installation and can be applied to timber, metal and concrete decks.

With a range of membranes, thermal insulation boards and vapour control layers to suit your requirements, our systems give a life expectancy of up to thirty five years.

Features

- Robust cardboard cores and factory packaging reducing transport and site damage
- Choice of insulation products including tapered design
- High elasticity of the material (SBS modified bitumen)
- High mechanical strength
- Diverse range of products
- Root barrier Capsheets for green roofs and roof gardens
- Finished with superior polypropylene film
- 10, 15, 20 & 25 Year System guarantees

Benefits

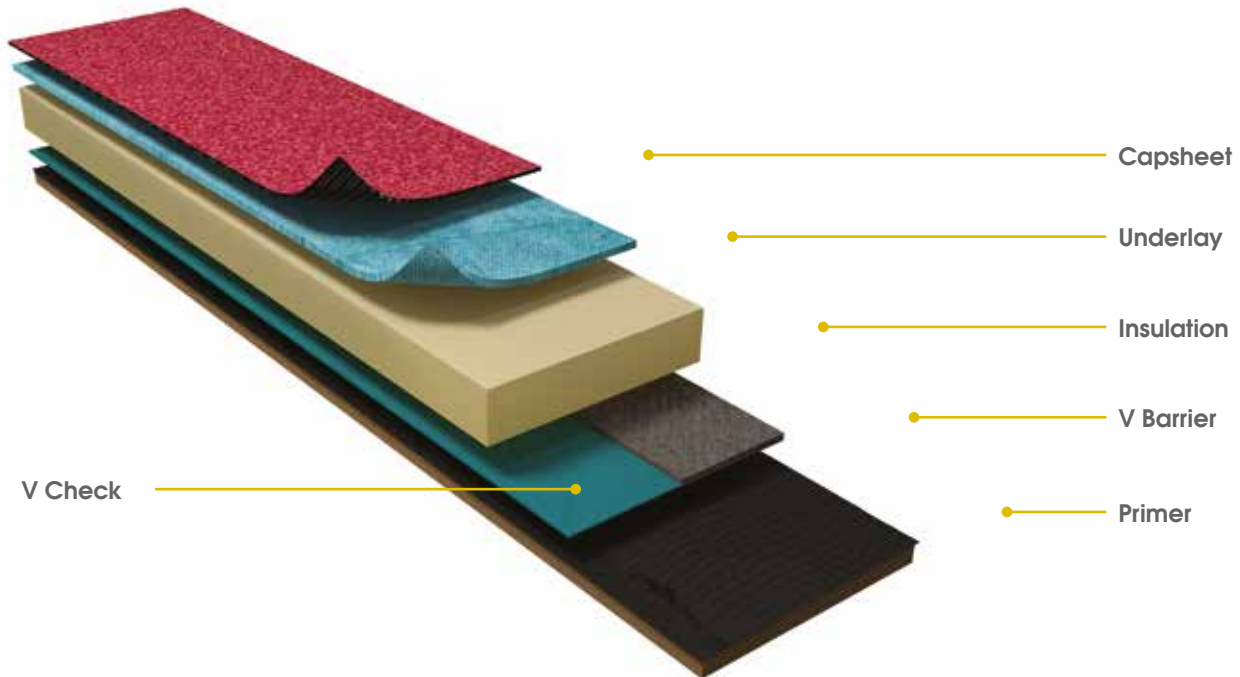
- *Torch-on or heat activated self-adhesive applications*
- *Low temperature flexibility*
- *Quick, clean and simple to install*
- *User friendly particularly in warm atmospheric temperatures*
- *Double sided film membranes*
- *Self-adhesive side laps*
- *Low flame application*
- *Lower energy costs during installation*
- *Suitable for all roof types*
- *Ease of handling*
- *Prolonged roof life*

Accreditations and approvals

- *All products are certified to ISO 9001 and 14001 accreditation*
- *CE marked*

PRO-FELT WARM ROOF SYSTEMS

PLYWOOD SUBSTRATE



Pro-Felt 10, 15, 20 Year System Build Up

	10 Year	15 Year	20 Year
Capsheet: Pro-Felt Torch-On Mineral Capsheet	4.0 kg/m ² -1x8m	4.5 kg/m ² -1x8m	5.0 kg/m ² -1x8m
Underlay: (Horizontal) Pro-Felt Self-Adhesive Heat Activated Underlay - Film	1x16m	1x16m	1x16m
Insulation: Pro-Therm PIR Thermal Insulation			
V.Check: * Pro-Felt Self-Adhesive Underlay - Film or V.Barrier: ** Pro-Vapour Control SA	1x16m	1x16m	1x16m
	1.08 x 40m	1.08 x 40m	1.08 x 40m
Primer: Pro-Prime SA Self-Adhesive Surface Primer			

25 Year Endura System Build Up

Capsheet: Pro-Felt Torch-On Mineral Capsheet	5.8 kg/m ² -1x8m
Underlay: (Horizontal) Pro-Felt Self-Adhesive Heat Activated Underlay - Film	1x16m
Insulation: Pro-Therm PIR Thermal Insulation	
V.Check: * Pro-Felt Self-Adhesive Underlay - Film or V.Barrier: ** Pro-Vapour Control SA	1x16m
	1.08 x 40m
Primer: Pro-Prime SA Self-Adhesive Surface Primer	

Note: Vertical Application

We offer to our clients and specifiers a choice of underlay

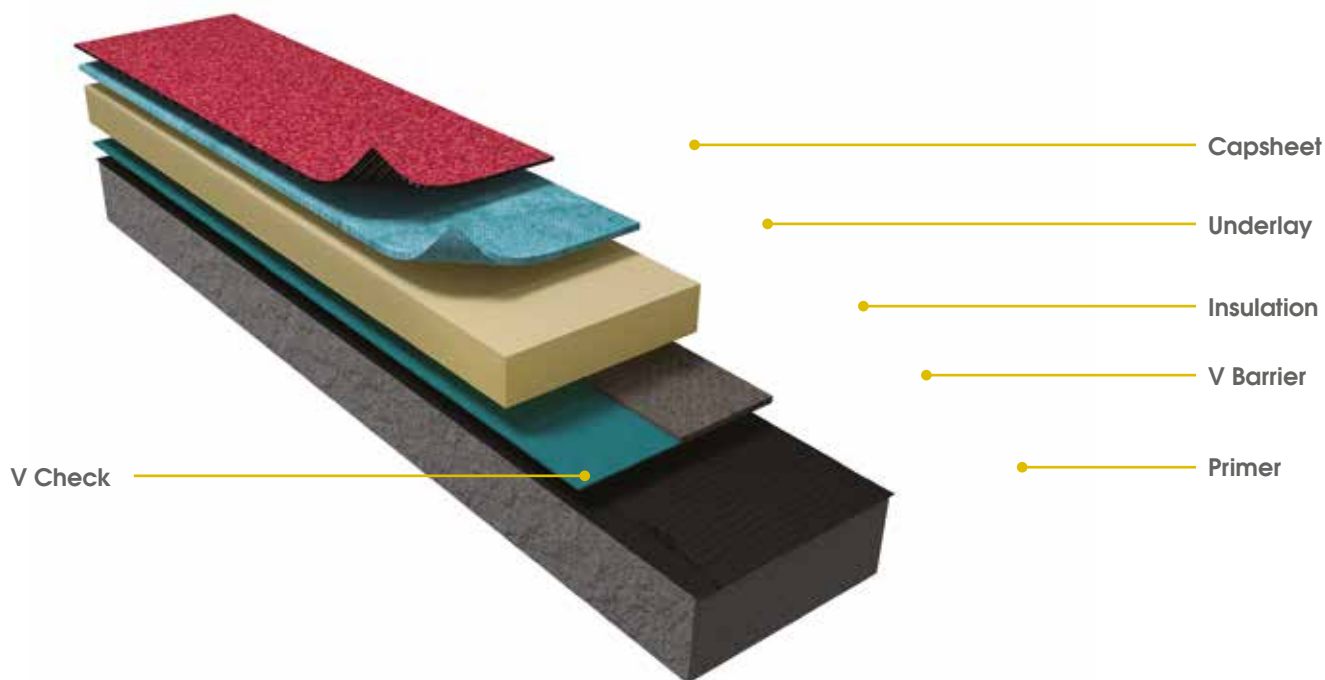
- 1) Self-Adhesive Heat Activated Underlay
- or
- 2) Torch On Underlay

* Suitable for use in low humidity situations, heat activated film upper side for adhering insulation board

** Pro-Bond Adhesive also required to bond insulation board

PRO-FELT WARM ROOF SYSTEMS

CONCRETE DECK SUBSTRATE



Pro-Felt 10, 15, 20 Year System Build Up

	10 Year	15 Year	20 Year
Capsheet: Pro-Felt Torch-On Mineral Capsheet	4.0 kg/m ² -1x8m	4.5 kg/m ² -1x8m	5.0 kg/m ² -1x8m
Underlay: (Horizontal) Pro-Felt Self-Adhesive Heat Activated Underlay - Film	1x16m	1x16m	1x16m
Insulation: Pro-Therm PIR Thermal Insulation			
V.Check: * Pro-Felt Torch-On Underlay	2.5 kg/m ² -1x15m	2.5 kg/m ² -1x15m	2.5 kg/m ² -1x15m
or V.Barrier: ** Pro-Felt Torch-on Aluminium Vapour Barrier - Film	1.08 x 10m	1.08 x 10m	1.08 x 10m
Primer: Pro-Prime Bitumen Surface Primer			

25 Year Endura System Build Up

Capsheet: Pro-Felt Torch-On Mineral Capsheet	5.8 kg/m ² -1x8m
Underlay: (Horizontal) Pro-Felt Self-Adhesive Heat Activated Underlay - Film	1x16m
Insulation: Pro-Therm PIR Thermal Insulation	
V.Check: * Pro-Felt Torch-On Underlay	1x15m
or V.Barrier: ** Pro-Felt Torch-on Aluminium Vapour Barrier - Film	1.08 x 10m
Primer: Pro-Prime Bitumen Surface Primer	

Note: Vertical Application

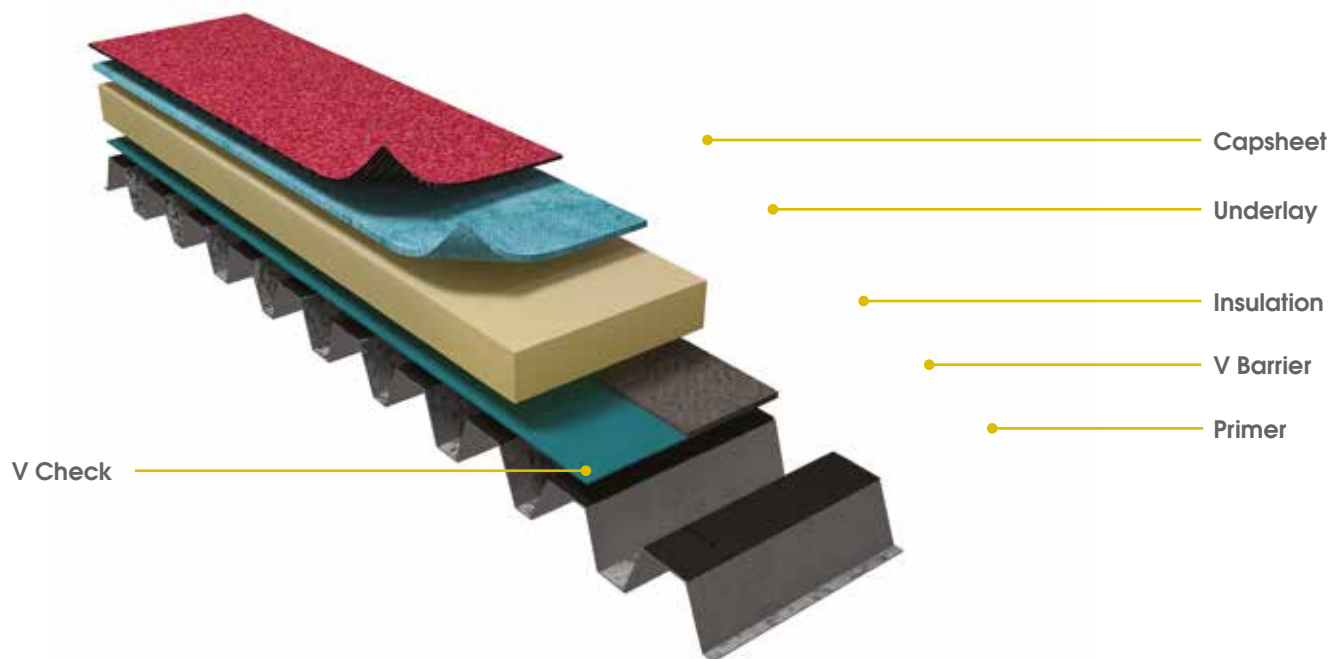
We offer to our clients and specifiers a choice of underlay

- 1) Self-Adhesive Heat Activated Underlay
- or
- 2) Torch On Underlay

* Suitable for use in low humidity situations, Pro-Bond Adhesive also required to bond insulation board

** Heat activated film upper side for adhering insulation board.

METAL DECK SUBSTRATE



Pro-Felt 10, 15, 20 Year System Build Up

	10 Year	15 Year	20 Year
Capsheet: Pro-Felt Torch-On Mineral Capsheet	4.0 kg/m ² - 1x8m	4.5 kg/m ² - 1x8m	5.0 kg/m ² - 1x8m
Underlay: (Horizontal) Pro-Felt Self-Adhesive Heat Activated Underlay - Film	1x16m	1x16m	1x16m
Insulation: Pro-Therm PIR Thermal Insulation			
V.Check: * Pro-Felt Self-Adhesive Underlay - Film	1x16m	1x16m	1x16m
or V.Barrier: ** Pro-Vapour Control SA	1.08 x 40m	1.08 x 40m	1.08 x 40m
Primer: Pro-Prime SA Self-Adhesive Surface Primer			

25 Year Endura System Build Up

Capsheet: Pro-Felt Torch-On Mineral Capsheet	5.8 kg/m ² - 1x8m
Underlay: (Horizontal) Pro-Felt Self-Adhesive Underlay - Film	1x16m
Insulation: Pro-Therm PIR Thermal Insulation	
V.Check: * Pro-Felt Self-Adhesive Underlay - Film	1x16m
or V.Barrier: ** Pro-Vapour Control SA	1.08 x 40m
Primer: Pro-Prime SA Self-Adhesive Surface Primer	

Note: Vertical Application

We offer to our clients and specifiers a choice of underlay

- 1) Self-Adhesive Heat Activated Underlay
- or
- 2) Torch On Underlay

* Suitable for use in low humidity situations, heat activated film upper side for adhering insulation board

** Pro-Bond Adhesive also required to bond insulation board



REFURBISHMENT AND REGENERATION

Pro-Felt systems are also suitable for installation over existing mastic asphalt, bituminous felt substrates, and in a warm roof. These existing coverings, upon inspection by Proteus Waterproofing, can often perform as an effective vapour control layer and so reduce the system cost and installation times further.

ULTRA HIGH PERFORMANCE

In addition, for the most demanding projects, Proteus Waterproofing has engineered 'Pro-Felt Endura', an Ultra high performance range with a cold flexibility of -25°C which provides one of the best waterproofing solutions in the market with system guarantees of up to 25 years.

Every 'Pro-Felt Endura' system specification produced by Proteus Waterproofing is project specific to meet the project demands and requirements, ensuring the waterproofing system provides total peace of mind for decades to come.



TOTAL PEACE OF MIND

Proteus Waterproofing roofing systems are tested to the most rigorous international standards, ensuring they will outperform the initial design life in our climate and provide excellent value to clients and building owners.



PROTEUS WATERPROOFING

Manufactured in the UK and Europe, the Proteus Waterproofing range of high performance roof and balcony systems has been engineered to meet the harshest of weather conditions and provide a lasting and robust waterproofing solution in both refurbishments and new builds.

Experts in all forms of liquid-applied and bituminous membrane roofing and waterproofing, Proteus Waterproofing is adaptable to each client's individual needs and circumstances. Supported by quality products reinforced by decades of knowledge and experience, Proteus Waterproofing will give your project a durable and reliable, long-lasting finish for years to come.

GUARANTEED PERFORMANCE

Proteus Waterproofing presents clients with a robust choice of guarantees for its bespoke systems from an offer that also incorporates enhanced independently-backed warranties for total peace of mind.

For further information please contact Proteus Waterproofing to discuss the most suitable option to meet your requirements.

LICENCED CONTRACTORS

Proteus Waterproofing is proud to work with a range of competent specialist contractors across the UK. This ensures that all Proteus waterproofing, roofing and car park solutions are applied to the highest standard at every project. By ensuring a first-class installation is continually achieved, Proteus Waterproofing is able to maintain a consistent quality that reflects the exceptional reliability and performance of its roofing systems.

The Pro-Felt System is highly customisable and each project is supported by a bespoke service package, starting with detailed specification supported by our Technical Services department to ensure all installations are completed to an exemplary standard.

GREEN INITIATIVE

Proteus Waterproofing is committed to pursuing environmentally friendly manufacturing processes and to being ecologically minded and responsible. We focus on products which demonstrate how we value the environment and wish to protect its future for generations to come.

In line with this sustainability commitment, the Pro-Felt range of high performance bituminous felt products are manufactured using 100% green energy coming from solar, hydroelectric and other renewable resources.



Proteus Industrial Technologies Ltd.

21a Sirdar Road, Brook Road Industrial Estate, Rayleigh, Essex SS6 7XF

T: +44 (0) 1268 777871

F: +44 (0) 845 2991215

enquiries@proteuswaterproofing.co.uk

www.proteuswaterproofing.co.uk

 @Proteus_UK

Registered Office: 21a Sirdar Road, Brook Road Industrial Estate, Rayleigh, Essex, SS6 7XF
Registered company number: 08258719

The Proteus Waterproofing Specification includes:

- *Site Survey and Design Stage Involvement*
- *Roof Condition Report and Bespoke Specifications*
- *Thermal Value Calculations to Building Regulations Part 'L'*
- *Tapered Insulation Scheme Design*
- *Wind Uplift Calculation*

The Proteus Waterproofing Service Package includes:

- *National Licenced Contractor Base*
- *Technical Manager Inspections throughout the Project*
- *Installation Sign Off*

Proteus Waterproofing Roof Maintenance Programme:

- *Site Surveys*
- *Condition Reports*
- *Traffic Light Priority – Short Term (red) Medium Term (amber) Long Term (green)*
- *Budget Costs*