



# Proteus

## Waterproofing



### PROTEUS 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





The Proteus 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 Proteus 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, Proteus Pro-Felt® leads the market in bitumen technology, consistently outperforming alternatives throughout its whole lifecycle.

The content of SBS polymers contained in Proteus 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.

Proteus 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 Proteus 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**
- **BBA certified**
- **Green Energy**

*Please note some components are made in other parts of Europe*

\*Please note some components are made in other parts of Europe





# PROTEUS PRO-FELT® FOR COLD ROOFS

The Proteus 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 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
- 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

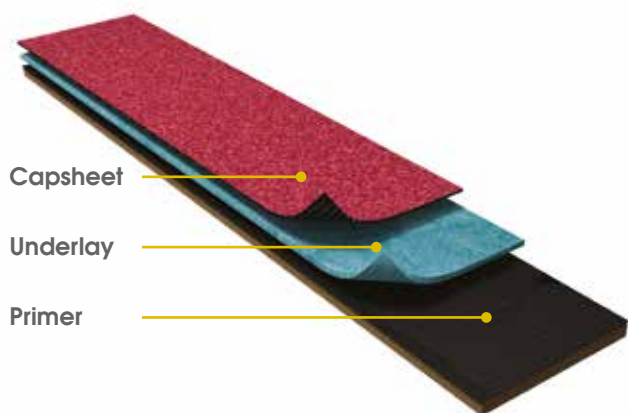
## Accreditations and approvals

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



# PROTEUS PRO-FELT® SYSTEMS FOR COLD ROOFS

## PLYWOOD SUBSTRATE



### 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

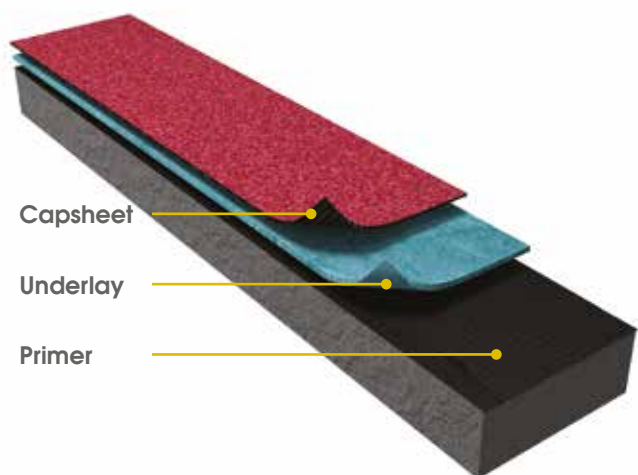
### Proteus Pro-Felt® 10, 15, 20 Year System Build Up

|   | 10 Year                     | 15 Year                     | 20 Year                     |
|---|-----------------------------|-----------------------------|-----------------------------|
| <b>Capsheet:</b> Proteus Pro-Felt® Torch-On Mineral Capsheet                                    | 4.0 kg/m <sup>2</sup> -1x8m | 4.5 kg/m <sup>2</sup> -1x8m | 5.0 kg/m <sup>2</sup> -1x8m |
| <b>Underlay:</b> (Horizontal)<br>Proteus Pro-Felt® Self-Adhesive Heat-Activated Underlay – Film | 1x16m                       | 1x16m                       | 1x16m                       |
| <b>Primer:</b> Pro-Prime® SA Self-Adhesive or Bitumen Surface Primer                            |                             |                             |                             |

### 25 Year Endura System Build Up

|   |                             |
|---|-----------------------------|
| <b>Capsheet:</b> Proteus Pro-Felt® Torch-On Mineral Capsheet                                    | 5.8 kg/m <sup>2</sup> -1x8m |
| <b>Underlay:</b> (Horizontal)<br>Proteus Pro-Felt® Self-Adhesive Heat-Activated Underlay - Film | 1x16m                       |
| <b>Primer:</b> Pro-Prime® SA Self-Adhesive Surface Primer                                       |                             |

## CONCRETE DECK SUBSTRATE



### 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

### Proteus Pro-Felt® 10, 15, 20 Year System Build Up

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

### 25 Year Endura Ultima System Build Up

|   |                             |
|---|-----------------------------|
| <b>Capsheet:</b> Proteus Pro-Felt® Torch-On Mineral Capsheet                        | 5.8 kg/m <sup>2</sup> -1x8m |
| <b>Underlay:</b> (Horizontal) Proteus Pro-Felt® Torch-On Sanded Dispersion Underlay | 1x10m                       |
| <b>Primer:</b> Pro-Prime® Bitumen Surface Primer                                    |                             |



# PROTEUS PRO-FELT® WARM ROOF SYSTEMS

The Proteus 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*





# PROTEUS PRO-FELT® ENDURA FOR OVERLAY

Proteus Pro-Felt® Endura is a high performance, reinforced premium membrane engineered to perform in the harshest weather conditions and BBA accredited to provide a service life of at least 30 years. Proteus Pro-Felt® Endura 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 Switzerland by the country's market leader 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® Endura retains its high elastomeric ability and performance and ensures the roof is protected by a durable and lasting waterproofing membrane.

## Benefits

- BBA accredited to provide a minimum of 30 years' service life
- Heavy duty, robust and extremely tough
- Tested to -25°C
- Capable of withstanding permanently sited loads of up to 2000kg/m²
- 5.8kg/m² cap sheets with high tensile strength
- Mineral finish
- Black, light grey or red capsheet finish
- Ability to withstand climatic extremes.
- Proteus Pro-Felt® Self-Adhesive underlay film minimises flame requirement
- Insurance backed guarantees

# PROTEUS PRO-FELT® ENDURA FOR DISPERSION

The Proteus Pro-Felt® T/O Endura Dispersion Cap-Sheet is a High Performance, reinforced premium membrane engineered to cost effectively extend the life of a roof forming a single layer overlay to existing bitumen based coverings. It is BBA certified to provide a service life of at least 30 years.

When overlaying, there may be trapped moisture in the existing roof construction. Proteus Pro-Felt® T/O Endura Dispersion Cap-Sheet is a dispersion membrane which bonds to 50% of the surface in stripes allowing moisture gases to dissipate under the layer via channels, so avoiding blistering as these gases expand and as they warm up.

With its very high quality SBS (Styrene Butadiene Styrene) modified bitumen content, Proteus Pro-Felt® T/O Endura Dispersion Cap-Sheet has market leading performance across a wider range of temperatures, retaining its high elastomeric ability and performance and ensuring your roof is protected by a durable and lasting waterproofing membrane.

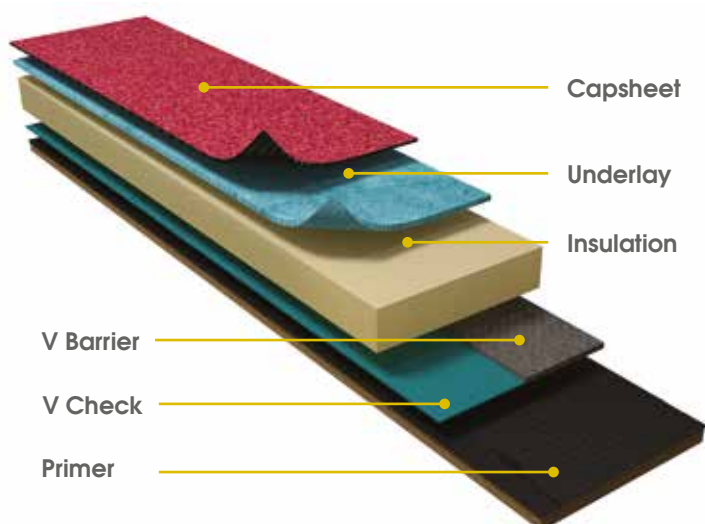
The cap sheet is available with a mineral finish, and suitable for both refurbishment and new build projects.

## Benefits

- BBA certified to provide a service life of at least 30 years
- Heavy duty, robust and extremely tough.
- Tested at -20 degrees.
- 6.0kg/m² cap sheets with high tensile strength.
- Mineral Finish
- Black
- Ability to withstand climatic extremes.
- Proteus Pro-Felt® Self-Adhesive underlay film minimises flame requirement
- Insurance backed guarantees

# PROTEUS PRO-FELT® WARM ROOF SYSTEMS

## PLYWOOD SUBSTRATE



**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

## Proteus Pro-Felt® 10, 15, 20 Year System Build Up

|  | 10 Year          | 15 Year          | 20 Year          |
|--|------------------|------------------|------------------|
| <b>Capsheet:</b> Proteus Pro-Felt® Torch-On Mineral Capsheet                                 | 4.0 kg/m² - 1x8m | 4.5 kg/m² - 1x8m | 5.0 kg/m² - 1x8m |
| <b>Underlay:</b> (Horizontal) Proteus Pro-Felt® Self-Adhesive Heat Activated Underlay - Film | 1x16m            | 1x16m            | 1x16m            |
| <b>Insulation:</b> Proteus Pro-Therm Insulation PIR  |                  |                  |                  |
| <b>V.Check:</b> * Proteus Pro-Felt® Self-Adhesive Underlay - Film                            | 1x16m            | 1x16m            | 1x16m            |
| or <b>V.Barrier:</b> ** Pro-Vapour Control SA  | 1.08 x 20m       | 1.08 x 20m       | 1.08 x 20m       |
| <b>Primer:</b> Pro-Prime® SA Self-Adhesive Surface Primer or Bitumen                         |                  |                  |                  |

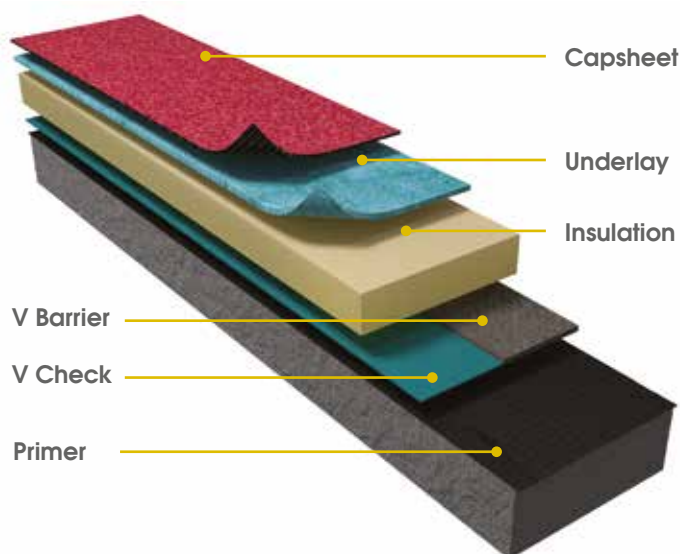
## 25 Year Endura/Ultima System Build Up

|  |                  |
|--|------------------|
| <b>Capsheet:</b> Proteus Pro-Felt® Torch-On Mineral Capsheet                                 | 5.8 kg/m² - 1x8m |
| <b>Underlay:</b> (Horizontal) Proteus Pro-Felt® Self-Adhesive Heat Activated Underlay - Film | 1x16m            |
| <b>Insulation:</b> Proteus Pro-Therm Insulation PIR  |                  |
| <b>V.Check:</b> * Proteus Pro-Felt® Self-Adhesive Underlay - Film                            | 1x16m            |
| or <b>V.Barrier:</b> ** Pro-Vapour Control SA  | 1.08 x 20m       |
| <b>Primer:</b> Pro-Prime® SA Self-Adhesive Surface Primer                                    |                  |

\* 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

## CONCRETE DECK SUBSTRATE



### 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

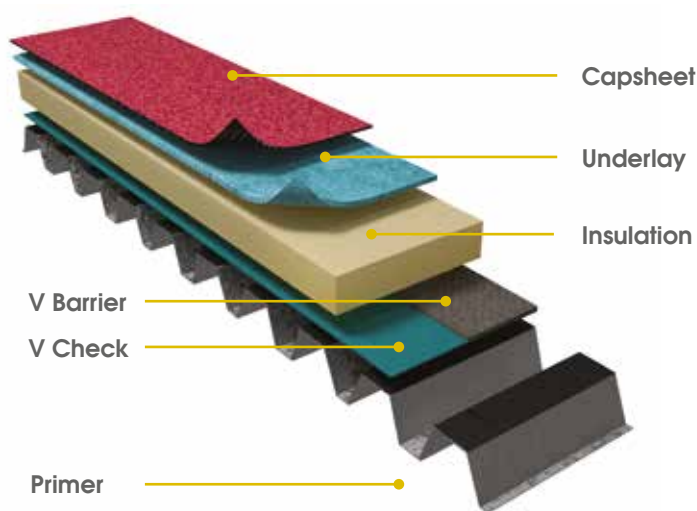
\*\* Heat activated film upper side for adhering insulation board.

| Proteus Pro-Felt® 10, 15, 20 Year System Build Up   |                              |                              |                              |
|---|------------------------------|------------------------------|------------------------------|
|   | 10 Year                      | 15 Year                      | 20 Year                      |
| <b>Capsheet:</b> Proteus Pro-Felt® Torch-On Mineral Capsheet  | 4.0 kg/m <sup>2</sup> -1x8m  | 4.5 kg/m <sup>2</sup> -1x8m  | 5.0 kg/m <sup>2</sup> -1x8m  |
| <b>Underlay:</b> (Horizontal) Proteus Pro-Felt® Self-Adhesive Heat Activated Underlay - Film  | 1x16m                        | 1x16m                        | 1x16m                        |
| <b>Insulation:</b> Proteus Pro-Therm Insulation PIR   |                              |                              |                              |
| <b>V.Check:</b> * Proteus Pro-Felt® Torch-On Underlay<br><b>or V.Barrier:</b> ** Proteus Pro-Felt® Torch-on Aluminium Vapour Barrier - Film | 2.5 kg/m <sup>2</sup> -1x15m | 2.5 kg/m <sup>2</sup> -1x15m | 2.5 kg/m <sup>2</sup> -1x15m |
|   | 1.08 x 10m                   | 1.08 x 10m                   | 1.08 x 10m                   |
| <b>Primer:</b> Pro-Prime® Bitumen Surface Primer  |                              |                              |                              |

| 25 Year Endura/Ultima System Build Up   |  |  |                             |
|---|--|--|-----------------------------|
| <b>Capsheet:</b> Proteus Pro-Felt® Torch-On Mineral Capsheet  |  |  | 5.8 kg/m <sup>2</sup> -1x8m |
| <b>Underlay:</b> (Horizontal) Proteus Pro-Felt® Self-Adhesive Heat Activated Underlay - Film  |  |  | 1x16m                       |
| <b>Insulation:</b> Proteus Pro-Therm Insulation PIR   |  |  |                             |
| <b>V.Check:</b> * Proteus Pro-Felt® Torch-On Underlay<br><b>or V.Barrier:</b> ** Proteus Pro-Felt® Torch-on Aluminium Vapour Barrier - Film |  |  | 1x15m                       |
|   |  |  | 1.08 x 10m                  |
| <b>Primer:</b> Pro-Prime® Bitumen Surface Primer  |  |  |                             |

## METAL DECK SUBSTRATE



### 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

| Proteus Pro-Felt® 10, 15, 20 Year System Build Up   |                             |                             |                             |
|---|-----------------------------|-----------------------------|-----------------------------|
|   | 10 Year                     | 15 Year                     | 20 Year                     |
| <b>Capsheet:</b> Proteus Pro-Felt® Torch-On Mineral Capsheet                                    | 4.0 kg/m <sup>2</sup> -1x8m | 4.5 kg/m <sup>2</sup> -1x8m | 5.0 kg/m <sup>2</sup> -1x8m |
| <b>Underlay:</b> (Horizontal) Proteus Pro-Felt® Self-Adhesive Heat Activated Underlay - Film    | 1x16m                       | 1x16m                       | 1x16m                       |
| <b>Insulation:</b> Proteus Pro-Therm Insulation PIR   |                             |                             |                             |
| <b>V.Check:</b> * Proteus Pro-Felt® 5kg sanded<br><b>or V.Barrier:</b> ** Pro-Vapour Control SA | 1x8m                        | 1x8m                        | 1x8m                        |
|   | 1.08 x 20m                  | 1.08 x 20m                  | 1.08 x 20m                  |
| <b>Primer:</b> Pro-Prime® SA Self-Adhesive/Bitumen Surface Primer                               |                             |                             |                             |

| 25 Year Endura/Ultima System Build   |  |  |                             |
|--|--|--|-----------------------------|
| <b>Capsheet:</b> Proteus Pro-Felt® Torch-On Mineral Capsheet   |  |  | 5.8 kg/m <sup>2</sup> -1x8m |
| <b>Underlay:</b> (Horizontal) Proteus Pro-Felt® Self-Adhesive Underlay - Film                                      |  |  | 1x16m                       |
| <b>Insulation:</b> Proteus Pro-Therm Insulation PIR  |  |  |                             |
| <b>V.Check:</b> * Proteus Pro-Felt® Self-Adhesive Underlay - Film<br><b>or V.Barrier:</b> ** Pro-Vapour Control SA |  |  | 1x16m                       |
|  |  |  | 1.08 x 20m                  |
| <b>Primer:</b> Pro-Prime® SA Self-Adhesive/Bitumen Surface Primer  |  |  |                             |



## REFURBISHMENT AND REGENERATION

Proteus 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 'Proteus 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 'Proteus 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.**

# PROTEUS PRO-FELT® IN ACTION

Proteus Pro-Felt® has been used on a wide range of roofing applications helping to waterproof some of the country's most prestigious buildings. Here are just a few:



CRAVEN HILL GARDENS, LONDON



DELVES HOUSE, EAST SUSSEX



PATCHAM HIGH SCHOOL, BRIGHTON





CORBY CUBE, NORTHAMPTONSHIRE



## 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 Proteus 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 Proteus Pro-Felt® range of high performance bituminous felt products are manufactured using 100% green energy coming from solar, hydroelectric and other renewable resources.**







# Proteus Waterproofing

Manufactured in the UK and Europe, Proteus Waterproofing is one of the most innovative, fast growing companies in the waterproofing market. Proteus Waterproofing is a single source supplier, with an array of hot and cold-applied waterproofing and protection systems. The company's comprehensive product range is suitable for high performance roofing, balconies, walkways and car parks. It offers a vast range of systems, that have 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, and offers long-term performance product reliability and a simple installation as standard.

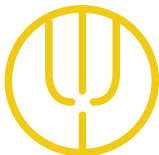
## Total Peace of Mind

Proteus Waterproofing roofing systems are tested to the most rigorous international standards, ensuring they will outperform the initial design life. This will give your project a durable, reliable and long-lasting waterproofing finish, that will last for many years to come, providing excellent value to clients and building owners.

## 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.



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 @Proteus\_UK

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

**Proteus Waterproofing's range of lasting and robust systems includes:**

- **Liquid-applied waterproofing: Proteus Pro-System® Plus**
- **Inverted roof waterproofing: Cold Melt®, Proteus Hot Melt®**
- **High performance felts: Proteus Pro-Felt®, Ultima, Ultima Plus, Extra, Extra Plus**
- **Balconies and walkways: Pro-BW® Plus, Cold Melt®**
- **Car park decking systems: Deckmaster**
- **Coating protection: Pro-Cryl®, Pro-Solar Reflect**
- **Exterior walls waterproofing: Monosil, Monodex & Monodex Textured**

**The Proteus Waterproofing Specification includes:**

- **On-going technical support**
- **Comprehensive guarantees**
- **Free roof evaluations service**
- **Roof condition surveys, reports and bespoke specifications**
- **Expert advice on low maintenance solutions**
- **Site survey and design stage involvement**
- **Thermal value calculations to building regulations part 'L'**
- **Tapered insulation scheme design**
- **Wind uplift calculation**
- **Building regulations Part B (fire) compliance options**

**The Proteus Waterproofing service package includes:**

- **Detailed specifications**
- **National contractor base**
- **Technical manager inspections throughout the project**
- **Installation sign off**

