



# Proteus

WATERPROOFING



SOLUTIONS FOR  
BALCONIES  
AND WALKWAYS



Design | Develop | Deliver



# BALCONIES & WALKWAYS

Introducing a range of Balcony and Walkway systems from Proteus Waterproofing. Our cold applied systems have been developed to cause minimum disruption to tenants and residents.

As well as waterproofing, our systems include concrete repair and exterior wall coatings, all supported by extensive insurance backed guarantees – if required – making us a single source systems provider for local authorities, housing associations and those in the private sector responsible for public areas.

The Proteus range of waterproofing and coating systems are manufactured to meet different types of design or construction application.



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## Building Envelope Protection

- Pro-BW® Plus – balconies/terraces and podium decks waterproofing
- Concrete repairs to soffits and undersides of balconies
- Monodex Smooth applied to underside of balconies
- Monosil applied to structural walls to protect porous brickwork
- Cold Melt® – covered balconies/terraces and podium decks waterproofing
- Insurance backed guarantees available



# PRO-BW® PLUS

**A flexible waterproofing system that can withstand building and thermal movement and is ideal for balconies over liveable accommodation.**

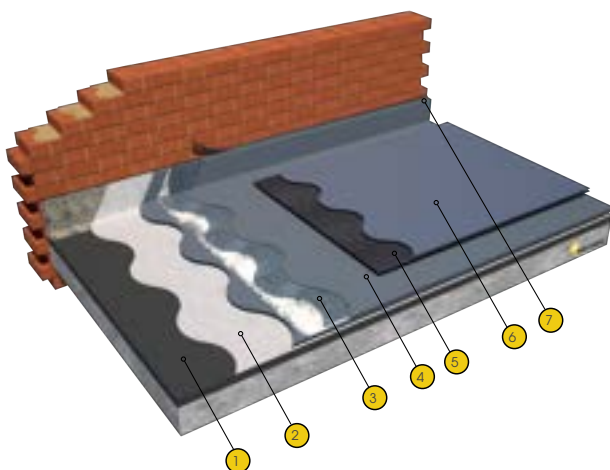
Pro-BW® Plus is a protective waterproofing membrane for balconies and walkways. Ideal for refurbishment where structural movement has occurred or is anticipated.

Suitable for a variety of external applications, Pro-BW® Plus can be installed on concrete, asphalt and wooden substrates for communal and private balconies, walkways, staircases and pedestrian ramps.

Pro-BW® Plus offers UV and chemical resistance, as described within Section 8 (Durability) of the BBA Agrément Certificate 22/6183, designed to provide waterproofing performance for the service life of the structure, subject to specification, installation and maintenance. Pro-BW® Plus also offers a wide range of life expectancy options, and incorporates aggregates to provide an anti-slip seamless finish whilst providing a surface that is easily cleaned, in a range of colours.

## Benefits

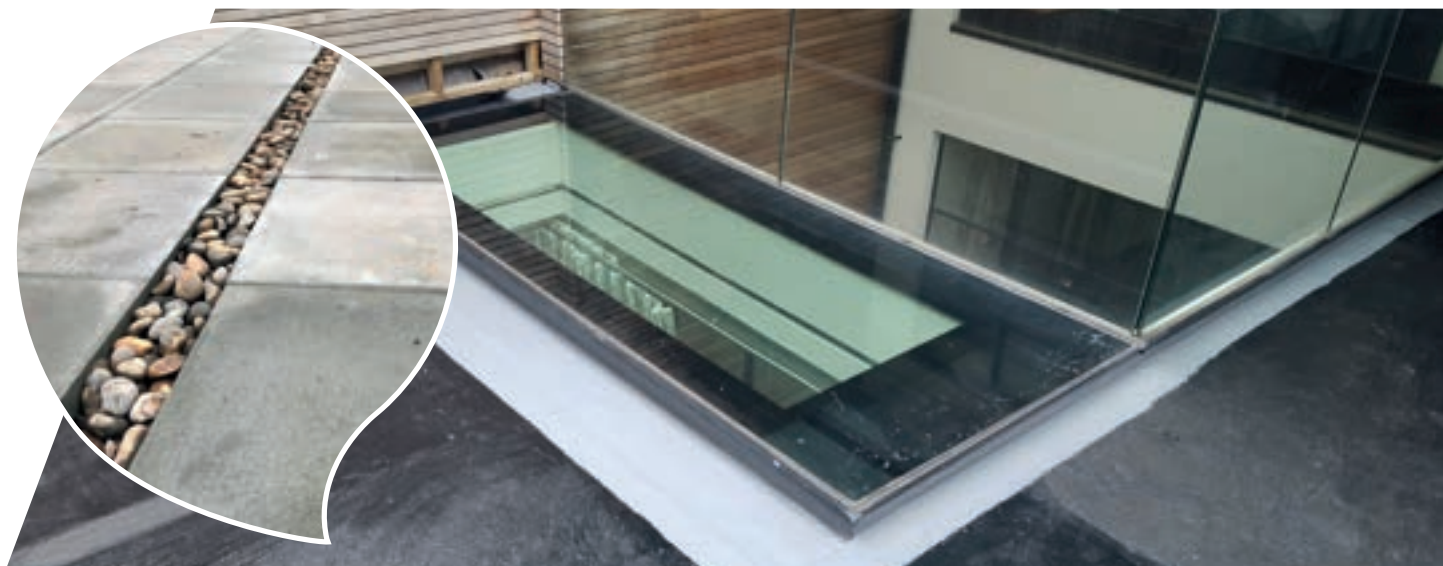
- Minimal disruption
- Efficient cure times, in accordance with BBA Agrément Certificate 22/6183)
- Effective for awkward details
- Flexible with a high level of tensile strength
- Skid resistant when aggregates applied, in accordance with BBA Agrément Certificate 22/6183
- Designed to provide long-term waterproofing performance, in accordance with BBA Agrément Certificate 22/6183
- Wide range of substrate applications



- 1 Substrate
- 2 Pro-Prime® BW
- 3 Pro-BW® Plus Embedment Coat with Pro-Force 450

- 4 Pro-BW® Plus Resin Top Coat
- 5 Pro-BW® Plus Resin & Pro-Aggregate EM
- 6 Pro-BW® Plus Sealer
- 7 Proteus Sealant





# COLD MELT®

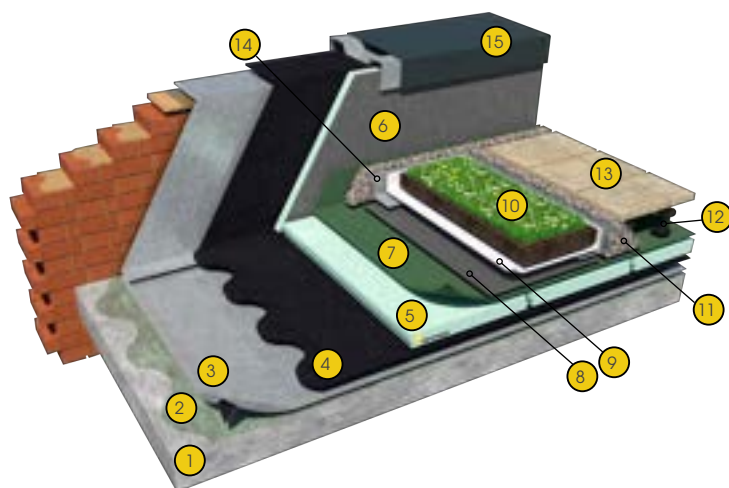
## Benefits

- Cold-applied
- Seamless, monolithic bond
- Elastomeric
- Incorporates rubber crumb and other organically grown product
- Does not become brittle with age
- Flexible solution around combusting high detail items such as plastic pipes, PVC windows & doors and awkward details etc.
- BBA certified and designed to provide waterproofing performance for the service life of the roof system, subject to specification and maintenance
- Can be laid on a flat roof deck with zero falls

## The solution for covered walkways and balconies

Ideal for new build and refurbishment, Cold Melt® is a cold-applied, two-part elastomeric waterproofing membrane that provides seamless roof protection for concrete, asphalt, wood and other substrates. Cold Melt® can be covered with many finishes including screed, brick, tile, concrete, wood decking and even a green roof.

This cold-applied Cold Melt® waterproofing system has been developed to cause minimum disruption and can be applied around intricate detailing ensuring walkways and balconies will be watertight for the service life of the system for years to come.



- |                                      |                                                           |
|--------------------------------------|-----------------------------------------------------------|
| 1 Deck                               | 10 Proteus Pro-Living® Pre-Cultivated Green Roof Covering |
| 2 Pro-Prime® SA                      | 11 Washed Rounded Ballast                                 |
| 3 Pro-Carrier SA                     | 12 Proteus Pedestal                                       |
| 4 Cold Melt®                         | 13 Hard Landscaping / Paving                              |
| 5 Proteus Pro-Therm XPS              | 14 Proteus Pro-Living® Drainage Trim                      |
| 6 Proteus Cement Topped XPS          | 15 Metal Capping                                          |
| 7 Proteus Low-K Water Reducing Layer |                                                           |
| 8 Proteus Pro-Living® Drainage Layer |                                                           |
| 9 Proteus Pro-Living® Filter Fleece  |                                                           |



# COLD MELT® ZIP WORLD, BANGOR

**Proteus Waterproofing's Cold Melt® system provides a waterproofing installation for long term, all-weather protection as can be seen below with the new build terrace roof project at Zip World, Bangor.**

In a spectacular corner of North Wales and close to Snowdonia National Park, Zip World at Penrhyn Quarry features the fastest zip wire in the world and is the UK's scariest new attraction. As part of the new visitor experience centre, built in what was once the biggest

quarry in the world, the contractor required a roofing system which would provide protection against the worst of the severe weather.

Applied by the Proteus Approved Contractor, 350m<sup>2</sup> of Cold Melt® seamless waterproofing was selected to protect the roof terrace so work could be carried out below.

## **Key Requirements: High Performance Waterproofing**

This new build project was constructed with a concrete deck, but as waterproofing work was carried out in Snowdonia in November, the concrete had no chance to dry out which would normally prevent a waterproof system being installed. The problem was overcome by first applying the Cold Melt® DPM Primer to the deck which can be installed over 98% saturated concrete and then cures to form a barrier to moisture so that the Proteus Cold Melt® waterproofing system can be installed.

This was followed by the Proteus Pro-Carrier SA, the first layer of the waterproofing system, a stand-alone, self-adhesive metal lined vapour barrier, which once installed ensured the building was watertight. This was essential as the winter weather closed in on the property preventing the application of the Cold Melt® resin membrane. The roofing contractor was able to pull off site until March when the weather improved.

However, the main contractor was able to continue working inside the property, in the dry, ensuring the build programme remained on track. On returning in March the licensed roofing contractor continued the system, installing the Cold Melt® resin, Proteus Pro-Therm XPS insulation and finishing off the roof with concrete pavers.

## **Key Requirements: Quality Control**

Proteus Waterproofing worked in close partnership with licensed contractor to successfully deliver the project to a very high standard. The inverted roof system incorporated a Pro Carrier SA, Pro-Prime® SA underlay film and Proteus Pro Therm XPS 50mm insulation. A Cold Melt® UV Top coat was applied to any exposed surfaces remaining to protect from the sun.

## **Key Requirements: Seamless Waterproofing**

Incorporating rubber-crumbs and other organically grown products, Cold Melt® creates an elastomeric, seamless, cold applied membrane.





Wall  
Decoration  
and  
Protection

# MONOSIL, MONODEX & MONODEX TEXTURED

## Monosil for concrete, brick and stone

Monosil is a clear masonry impregnator which stops the ingress of rain but at the same time does not block the surface pores of the structure. It allows entrapped moisture to be warmed by the sun, turn to vapour and pass out of the structure over a period of time, enabling it to dry out.

### Benefits

- Waterproof, decorative finish
- Breathable protection for walls
- Elastomeric properties for crack bridging
- Minimises maintenance
- Does not flake/brittle with age
- Conventionally applied by brush or roller

Monosil is invisible to the eye so does not alter the look of the building. It helps to prevent absorption of oils and other liquid contamination allowing for easier removal of contaminants.

## Monodex Smooth – water-based elastomeric decorative coating

Monodex Smooth is a water based, elastomeric, high build, decorative coating which provides protection against carbonation and water ingress, yet allows damp substrates to breathe. Two coat applications can take place on the same day and it facilitates year-round usage.

It resists the growth of mould and fungi and can be used for both new construction and refurbishment projects.

## Monodex Textured – high performance, flexible waterborne textured coating

Monodex Textured is a highly engineered, waterborne, single component, acrylic-based decorative wall coating with an attractive textured finish. Due to its high build, textured composition, it can be used on buildings and other structures which have a rough, uneven finish with surface defects and imperfections.

## Design | Develop | Deliver

Manufactured in the UK and Europe, Proteus Waterproofing is a specialist waterproofing systems supplier in the waterproofing market. Proteus Waterproofing is a single source systems supplier, with an array of hot and cold-applied waterproofing and protection systems. The company's comprehensive product range is suitable for roofs, balconies, terraces, walkways and podium decks. We offer a wide range of systems suitable for a wide range of environmental conditions and provide an effective waterproofing solution for 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 consistent system performance when specified and installed correctly.

### Total Peace of Mind

Proteus Waterproofing roofing systems are assessed and certified by recognised third-party bodies, including BBA certification for our liquid and felt systems, ensuring they will provide durable waterproofing performance for the service life of the roof system – subject to specification and maintenance.

### Product and System Guarantees

Proteus Waterproofing presents clients with a 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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105 Leigh Road, Leigh-On-Sea, Essex, SS9 1JL  
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### Proteus Waterproofing's range of systems includes:

- Ⓢ *Liquid applied waterproofing: Cold Melt®, Proteus Pro-Cold, Proteus Hot Melt®*
- Ⓢ *Felts range: Proteus Pro-Felt® Ultima Plus, Extra Plus, Endura, Endura AIRdhesive*
- Ⓢ *Balconies and walkways: Pro-BW® Plus, Pro-BW® LO, Cold Melt®*
- Ⓢ *Technical Insulation Design: Proteus Pro-Therm*
- Ⓢ *Coating Protection: Pro-Cryl®*
- Ⓢ *Exterior walls waterproofing: Monosil, Monodex, Monodex Textured*

### The Proteus Waterproofing Specification includes:

- Ⓢ *On-going technical support*
- Ⓢ *Comprehensive guarantees*
- Ⓢ *Free roof evaluation 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 calculation*
- Ⓢ *National contractor base*
- Ⓢ *Technical manager inspections throughout the project installation and sign off*

