

StructureCare



*High Performance Structural
Waterproofing
For Roofs, Podia & Terraces*

BLUESHIELD PmB

Structural Waterproofing & Protection Specialists

StructureCare is a structural maintenance and repair company, providing a range of market leading construction products and services covering the infrastructure, industrial, retail, commercial and residential industry sectors in the UK.

We specialise in transforming car park facilities, waterproofing elevated service decks, flat roofs and podium slabs, as well as installing specialist protective coatings and movement joints to prolong the life of a structure.

Roofing

We install cold liquid applied coating systems for flat roofs, with a big difference. We manufacture our own products and our own people install them.

Structural Waterproofing & Protection Specialists

StructureCare offer complete Structural waterproofing solutions, encompassing Design and Installation, using its own group manufactured products and fully trained workforce.

Movement Joints

StructureCare are a leading supplier and installer of an extensive range of mechanical and elastomeric expansion joint systems and seal joints.

Concrete Repair And Corrosion Management

Concrete Repair & Protection remains one of our core services and is essential to extend the life of any reinforced concrete structure.

Asset Management

Replacing protective coatings is inevitable, but understanding the condition of your structures components, repairing problems and having a consistent maintenance schedule can go a long way toward keeping inevitable from becoming premature.

For more information visit: www.structurecare.com

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Raising the Bar

Market leading structural waterproofing solutions



The rapid curing spray applied **Blueshield PmB** system, when installed directly onto the structural deck, has an unrivalled track record for long term waterproofing of inverted and green roofs as well as complex and prestigious podia.



All Encompassing Waterproofing

Blueshield PmB is a two part, blue pigmented polyurethane elastomer. The spray applied membrane is pigmented blue to highlight application and gels in seconds to provide a seamless, fully adhered barrier to ingress of water and other contaminants.

Blueshield PmB has been formulated by chemists to be safe, user friendly, and high performing.

Blueshield PmB offers clients the perfect balance between design, aesthetics and practical performance, with a track record of over 30 years.

Spray Applied

Through the avoidance of seams, joints and fixings, potential weak spots are eliminated. The client is provided with a completely homogenous, seamless waterproofing solution, protecting their asset and allowing treatment of virtually all types of construction.

Market Leading Guarantees

To provide an unrivalled level of comfort to building owners, managers and occupiers, and to future-proof asset values, **Blueshield PmB** guarantees are of a single point nature avoiding the all too common contractor/manufacturer blame culture phenomenon.

Design Responsibility

StructureCare is able to provide full design development for installation of its Blueshield waterproofing system; supported by CAD design facilities and £10m PI Insurances.



Solutions That Go Above and Beyond

Roofs, podia and terraces place very high demands on the waterproofing material used, particularly in areas where there are residential buildings, underlying offices or production plants. Blueshield PmB offers many advantages compared to conventional waterproofing membranes.

The spray applied polyurethane structural waterproofing system is long-lasting, can withstand mechanical loads, and is totally weather resistant. **Blueshield PmB** can also be used underneath other coverings, such as gravel, paving or grass.

Its high resistance to hydrolysis means it can even be used in standing water applications.

Blueshield PmB

Primer

Applications

The **Blueshield PmB** system is designed to provide a high performance fully-bonded waterproofing membrane to:

- / Podium decks
- / Balconies
- / Plaza
- / Terraces

ENHANCED PERFORMANCE

Its enhanced performance is ideally suited for:

- / Landscaping
- / Paved areas
- / Planters
- / Water features
- / Green & brown roof applications

LONG-LASTING PROTECTION

It also provides protection to:

- / Basements
- / Plant rooms
- / Underground parking facilities
- / Tunnels, bunds/tanks



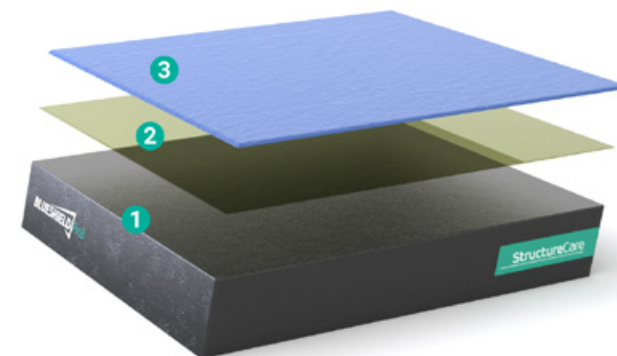
System

Blueshield PmB

Blueshield PmB is a BBA approved waterproofing system specifically developed to provide a durable, seamless, fully adhered barrier to water and other contaminants. Using spray applied polyurea technology provides market leading crack bridging performance and makes sealing of intricate detailing easy.

A rapid curing, two part, spray applied, durable corrosion protection and waterproofing material, the system is used on various substrate types in conjunction with a variety of surfacing overlays. The high performance system is 100% polyurethane, containing no fillers or additives and is VOC free. Once applied **Blueshield PmB** has exceptional bond strength to all commonly used substrates, has a life expectancy of 30 years and holds British Board of Agreement approval.

SYSTEM BUILD-UP



3. Blueshield PmB Waterproofing Membrane
2. Blueshield PmB Primer
1. Prepared Substrate

SYSTEM FEATURES & BENEFITS

- / 100% effective with proven track record over 30 years
- / Rapid installation and cure allow for application to horizontal, vertical and soffit surfaces
- / Superior crack-bridging and adhesion properties
- / Materials can be applied to concrete at temperatures as low as 0°C
- / Spray application ensures difficult detailing and penetrations are easily overcome
- / Class leading adhesion
- / BBA Approved
- / No pre-application chases or fillets required
- / Low odour
- / Excellent chemical resistance
- / Fully tested puncture resistance capabilities
- / Effective root barrier in landscaped areas
- / Suitable for use in areas permanently immersed in water
- / Full integrity testing to all installations
- / Manufactured and installed to ISO 9001:2008

/ The **Blueshield PmB** inverted roof system completely upgrades the thermal performance of the roof – delivering compliance with Part L of the Building Regulations (Conservation of Fuel & Power) - whilst provided long-term waterproofing and creative scope to dramatically improve appearance of the roof by the introduction of paving or grass.

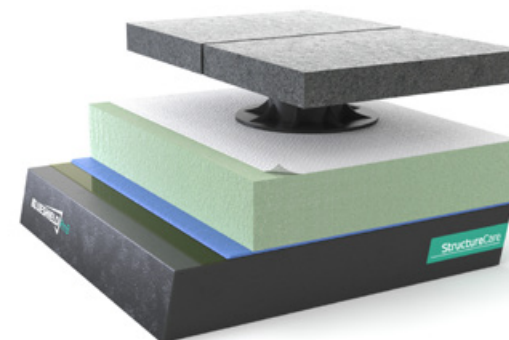
/ It can be used to create roof gardens and terraces and is also suitable for private balconies. It is ideal for new-build applications but equally suited to refurbishment.



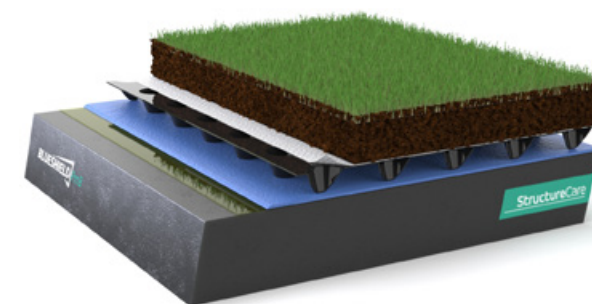
For further information on the Blueshield PmB system, contact a member of the technical team today on: technical@structurecare.com Or alternatively click/scan our QR code for Blueshield PmB data Sheet.

Surface Finishes / Applications

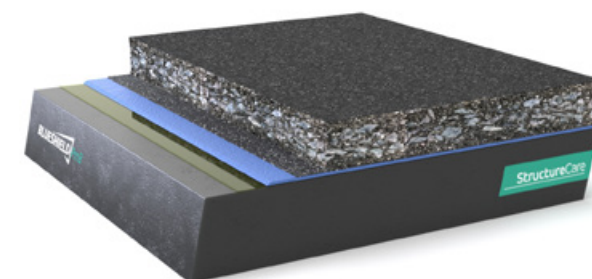
Inverted Roofs, Plazas and Terraces



Green / Brown / Blue Roofs



Asphalt / Tarmac Surfacing

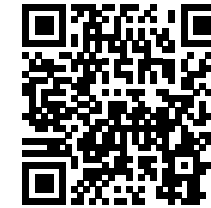


Note: Tack Coat types to be advised with HAPAS requirements. Consult StructureCare Technical Team for more information.

For alternate overlay options consult StructureCare Technical Department

Notable Projects

Click/scan our QR code for more information on our case studies.



Tottenham Hotspur Stadium

Area: 16,000m²

Specified Products: Blueshield PmB (Structural Waterproofing), Migupren (Movement Joints)

The new stadium for Tottenham Hotspur Football Club required an effective and proven waterproofing system at podium level, joined for complete integrity into waterproof movement joints capable of up to 100mm of movement.

Convention Centre – Harrogate

Area: 1,500m²

Structure: Service Deck

Specified Products: Blueshield PmB

StructureCare was engaged to install 1,500m² of Blueshield PmB structural waterproofing to the podium slab concrete up-stands prior to the installation of various new surface finishes. To protect the convention centre against water ingress the project required a combined waterproofing solution that would not only be effective but would also be able to cope with the complex detailing and onsite challenges. Blueshield PmB was selected as the ideal solution.



Battersea Reach

Area: 8000m²

Structure: Roofs, Terraces, Podiums

Specified Products: Blueshield PmB

Battersea Reach is an award winning development with skyline views located on the banks of the River Thames in the heart of London, United Kingdom. Established as an exclusive waterside community, Battersea Reach has more to offer than just fine living space. Residents can enjoy convenient living in enviable surroundings.

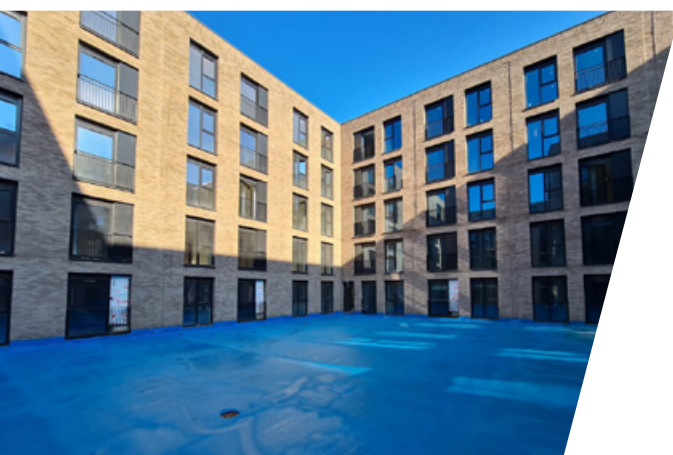
Freshny Place – Grimsby

Area: 5,000m²

Structure: Elevated Service Deck

Specified Products: Blueshield PmB

StructureCare were appointed as main contractor for the resurfacing and waterproofing works at Freshney Place. Freshney Place is a shopping centre in Grimsby, North East Lincolnshire. Located in the centre of Grimsby it is visited annually by 400,000 shoppers and employs over 2000 retail workers.



Bath Lane – Leicester

Area: 700m²

Structure: Podium Deck

Specified Products: Blueshield PmB

Located on Leicester's Waterside regeneration site, the scheme was comprised of 3 phases altogether. The first phase was a student accommodation named Merlin Heights. Development of Phase 2 and 3 commenced in the summer of 2020, with Phase 2 being a student accommodation block comprised of 415 en-suite rooms and 47 studios, along with a cinema room, games room, fitness studio and lounge and study areas. Phase 3 was a block of 184, Buy to Rent apartments.

Haggerston

Area: 2000m²

Structure: Roofs

Specified Products: Blueshield PmB

A multi-plot development of prestigious apartments for one of the UK's largest housing developments. StructureCare were appointed to apply the Blueshield PmB waterproofing system to circa. 2000m² of inverted roofs, providing the client with the ideal solution.

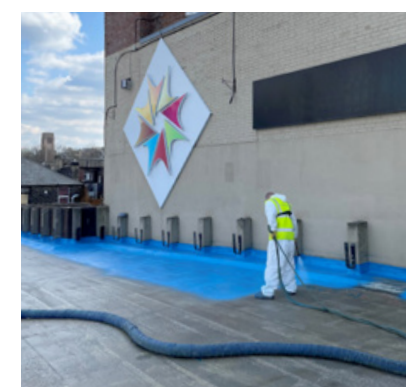


Technical & On-Site Support

All of our clients receive the same level of technical service, support and backup right through to the delivery of the finished project.

To assist our clients in the selection and design of the most effective solutions for their car park projects, our technical team are pleased to offer the following services completely free of charge:

- / On-site surveys, reports and recommendations
- / System & product samples
- / Bespoke specifications
- / Budget costings
- / Market leading guarantee templates
- / Render visualisations
- / Standard / bespoke CAD details
- / Early technical involvement
- / On-site testing including: Core testing / adhesion testing / substrate analysis



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