



Structural waterproofing

AlpahGuard Blueshield



StructureCare



Lasting performance

Our flat roofing systems are perfect for refurb and new build projects, adaptable across public and private sector building estates.

As a brand of CPG UK, we are recognised internationally for delivering the highest quality waterproofing solutions, supporting customers for the long term to ensure that buildings are watertight, compliant and future proofed.

The Tremco difference

For over 70 years our market leading systems combined with a unique approach that positions us as a single source solution, preferring to preserve rather replace, maintain rather than disrupt, achieve value rather than create cost.

For refurbishment projects, we give total peace of mind to building managers and owners that their roof is being managed by genuine experts.

When it comes to new build, we manage any roof project from start to finish inclusive of bespoke design support.

In all cases our service covers, design, supply, install, inspect, warranty and optional maintenance programmes.

Our high performing systems, technical expertise and life cycle approach means we deliver substantial cost efficiencies, minimise disruption, and reduce the demand for raw materials, energy and landfill.

Working with Tremco

Building Owners and Facility/ Estates/Asset Managers

We take responsibility for the safety, efficiency, and cost-effectiveness of your roof if refurbishment and/or maintenance is required. We consult, survey, specify, supply, install, inspect and warranty all projects. This gives full peace of mind that your roof is being looked after by experts.

TremCare planned preventative maintenance programmes are available for Tremco roofs, roofs under warranties with other suppliers and old roofs/no warranties.

Contractors

We provide our Trusted Partners with outstanding customer service from delivery support to technical advice. We also offer extensive on-site support via our technical team of whom will visit site regularly to carry out inspections.

Specifiers

We tailor solutions to meet project requirements, offering technical guidance from early design stage through to pre-start meetings. We offer a range of different design services, depending on where we engage on the project. This can include the generation of drawing packages for nearly every application on the site (early design stage). We can also produce details when much of site installation has taken place, where you, the client, would like detail drawings that are not generic illustrations but are specific to the exact site installation (post design stage).

Other supply chain stakeholders

We value collaboration; from initial proposals to installation and completion. This ensures projects run smoothly, from a cost, safety, and time perspective. We provide customer service support throughout including dedicated Sales and Technical Managers for each project.

Key sectors



Housing



Education



Healthcare



Government Buildings



Retail



Leisure



Commercial



Industrial

Raising the bar in new build construction

The advantages

The rapid curing spray applied **AlphaGuard Blueshield** 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 podiums.

Installed for over
40
years

The speedy and compliant solution to waterproofing

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

Expertly formulated by chemists to be safe, user friendly, and high performing. It offers clients the perfect balance between design, aesthetics and practical performance.

The solution is suited for new build construction where an inverted application such as:



Green roofs including sedum and biodiverse.



Blue roofs



Podiums/roof gardens

Roof warranties are available on a project by project basis.

Advantages:

Spray Applied

Through the avoidance of seams, joints and fixings, potential weak spots are eliminated. The waterproofing technology, when applied to the structural deck, has an unrivalled track record of over 40 years.

Independently certified

The system has been independently certified by the BBA and confirms fire classification to Roof(t4) under BS EN 130501-5.



It also has a certified durability of up to the design life of the roof of which it is incorporated. Giving building owners/managers peace of mind that the roof will remain watertight and structurally sound for many years to come.

Installed by Tremco CPG UK

AlphaGuard Blueshield is only installed by StructureCare, Tremco CPG UK's specialist contractor. It offers end clients full assurance as the whole roof design, supply and install is managed from a single point.

Digital Construction

AlphaGuard Blueshield is available as download from NBS Source to simplify the specification process.

Solution that goes above and beyond

Applications



AlphaGuard Blueshield

Primer

Applications

AlphaGuard Blueshield 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/biodiverse roof applications
- / Blue roofs

Long lasting protection

It also provides protection to:

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

AlphaGuard Blueshield

INVERTED FLAT ROOFING SYSTEM

AlphaGuard Blueshield is a two part, spray applied, blue pigmented polyurethane elastomer. Pigmented blue to highlight application, the membrane gels in seconds to various substrates and provides a seamless, fully adhered barrier to ingress of water and other contaminants.

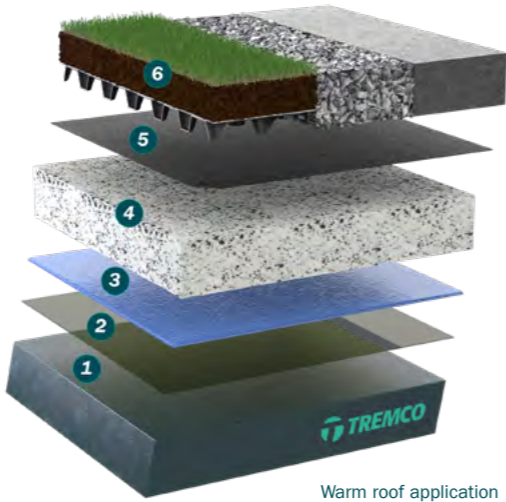
A highly efficient solution due to the high-speed of the application process, making the system the perfect solution when complex external finishes are required such as green roofs, blue roofs and/ or roof podiums.

Suitability

For built environment sectors across public and private including housing, education, healthcare, government buildings and commercial.

System Features

- 100% effective with a proven track record of over 40 years
- Rapid installation and cure
- Suitable for use in areas permanently immersed in water
- Durability for the design life of the roof of which it is incorporated
- Project specific warranties available*
- Low odour
- Spray application ensures difficult detailing and penetrations are easily overcome
- Can be applied to 7 day old concrete



Warm roof application



Fire safety

Independently certified by the BBA to Broof(t4) classification (BS EN 13501-5). PIR & Mineral wool 25mm to 500mm fire test compliance.



Blue roofs

Independently certified to work harmoniously with blue roof application.



Green roofs

Green roof and roof garden accredited.



UK Manufacturer

Tremco CPG is an international construction product manufacturer. AlphaGuard Blueshield is manufactured in Tankersley, UK.

NUMBER	PRODUCT TITLE	WEIGHT
1	Prepared Substrate	N/A
2	AlphaGuard Blueshield Primer	50-75g/m ²
3	AlphaGuard Blueshield	2.7kg/m ² (minimum)
4	XPS/EPS Inverted Insulation	c66kg/m ² **
5	TremTherm WFRL	c63kg/m ²
6	External finishes - green roof, ballast or paving systems	N/A

* Project specific warranties available.

Note: BBA has certified the system durability for the design life of the roof of which it is incorporated.

** Assumed weight, however, dependent on building requirement.

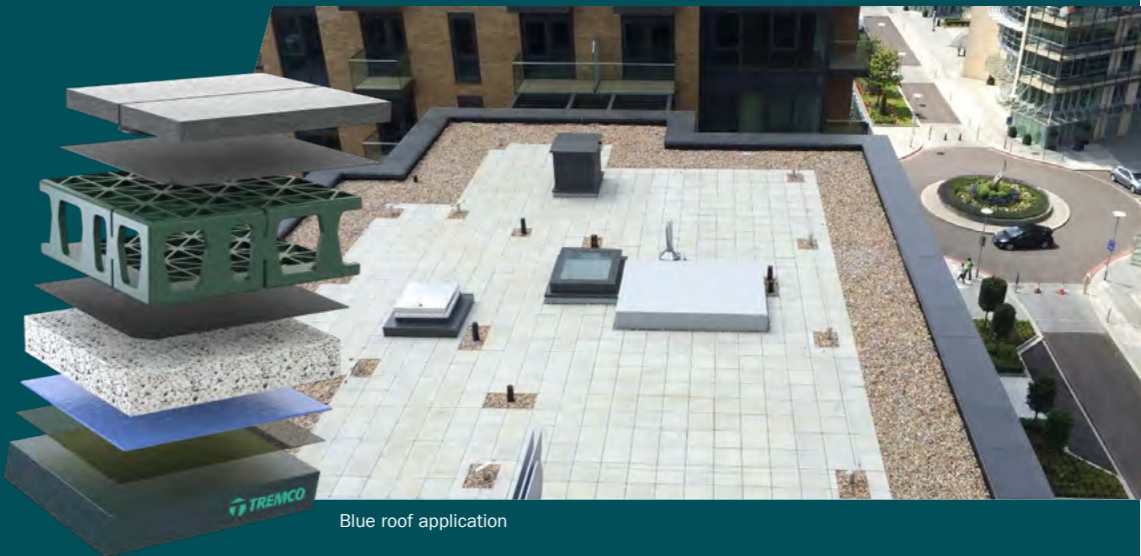


Recreational and sustainable

External finishes at roof level

Our buildings can be optimised to encompass a range of recreational and sustainable finishes from paving, with seating and planters, to green and blue roofs, that help encourage local biodiversity and mitigate flood risk (SuDS). They do, however, place a very high demand on its foundations. AlphaGuard Blueshield technology has been purposefully designed to withstand demanding effects from water, green growth and load to ensure its integrity remains intact for the design life of the roof.

Roof podiums and terraces/garden



Blue roof application

Green and biodiverse roofs



Blue roof application

Proven solution



Tottenham Hotspur Stadium

Project type: New build
Area: 16,000m²

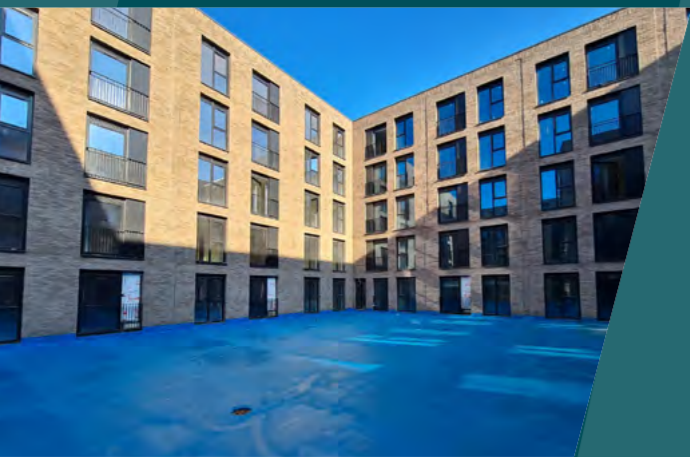
The new stadium for Tottenham Hotspur Football Club required an effective and proven waterproofing system at podium level, joined for complete integrity into waterproof movement joints capable of up to 100mm of movement.



Battersea Reach

Project type: New build
Area: 8000m²

Battersea Reach is an award winning development with skyline views located on the banks of the River Thames in the heart of London. The solution encompassed AlphaGuard Blueshield foundations to roofs, terraces and podiums across the modern building estate.



Bath Lane - Leicester

Project type: New build
Area: 700m²

Located on Leicester's Waterside regeneration site, the construction project included student accommodation comprising of 415 en-suite rooms and 47 studios. Alongside 184 buy to rent apartments. AlphaGuard Blueshield was used as podium decks across the estate to support amenity and walkway areas.

Case studies

Convention Centre - Harrogate

Project type: Refurbishment
Area: 1,500m²

AlphaGuard Blueshield was installed to podium slab concrete up-stands prior to the installation of various new surface finishes. This was to protect the convention centre against water ingress.



Freshney Place - Grimsby

Project type: Refurbishment
Area: 5,000m²

Freshney Place Shopping Centre was in need of refurbishment including resurfacing and waterproofing works.

AlphaGuard Blueshield was installed across an elevated service deck.



Haggerston

Project type: New build
Area: 2000m²

A multi-plot development of prestigious apartments for one of the UK's largest housing developments. AlphaGuard Blueshield was used to waterproof circa. 2000m² of inverted roofs for recreational use for residents.



Supported
from concept
to project
completion

Single point service

Consult
Dependent on the entry stage of design we can either support design or review proposed building designs.

Design
Project specific specification via NBS or our own bespoke service including project-specific CAD design details.



Supply and install
AlphaGuard Blueshield system supplied by Tremco and installed by StructureCare (a specialist contractor).

Inspect
Regular site visits from technical services to ensure all works are undertaken in line with the specification. All information obtained during these visits are recorded and issued to the client as part of our regular reporting.

Aftercare and PPM
Friendly and helpful customer service. TremCare PPM (planned preventative maintenance) programmes available.



Tremco CPG Europe manufactures high performance building materials in order to solve the complex challenges faced by today's construction industry. It is the home for multiple European construction product brands, including illbruck, Flowcrete, Nullifire, Tremco, Vandex, Dryvit and Nudura. With over 1,400 employees across Europe, we are committed to being by your side to shape a world where buildings and structures save energy, last longer and exceed sustainability benchmarks.

From joint sealing, bonding and insulation through to passive fire protection, flooring, waterproofing and roofing solutions- the product brands housed within Tremco CPG Europe cover a wide array of different construction needs. Combined with the wealth of expertise, services and support, we provide a truly unique offer - to make our customers more successful time after time.

Tremco CPG Europe is part of RPM International Inc. - one of the world's leading construction products companies for both the industrial and consumer segments.

Our Values



Delivering World-Class Construction Product Solutions.

The product brands housed within Tremco CPG Europe cover a wide array of different construction needs and provide a wealth of complex services, support and systems that are rarely found together under one roof.

Sealing, bonding & insulation

Window Insulation, Façade Construction, Exterior Insulation & EIFS, Structural & Inplant Glazing, Insulated Concrete Forms (ICFs)

Passive fire protection

Intumescent Coatings,
Fire Stopping

Flooring

Seamless Resin Flooring, Subfloor Preparation,
Car Parking Structures

Waterproofing

Potable & Waste Water Industry, Balconies, Terraces,
Basements & Foundations

Roofing

Liquid Applied Systems, RBM Systems,
Vegetated Roofing

Europe's leading construction products brands...





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