

HIGH-PERFORMANCE LIQUID WATERPROOFING

Cold-applied waterproofing systems for
roofs, walkways & balconies





We are a market-leading manufacturer of high-quality roofing and waterproofing systems for the commercial, residential, industrial and public sectors.

Working in partnership with Surveyors, Architects and Facilities Managers, we deliver robust, proactive & long-term waterproofing solutions for every roofing asset.

For over 20 years, our dedicated Technical Managers have developed partnerships with over 4,500 schools, NHS trusts, councils and private companies across the UK as a single point of contact for each customer.

We offer

- ✓ A diverse product range including metal, modified bitumen, liquid coatings, green and PV systems
- ✓ New build, refurbishment and preventive maintenance solutions
- ✓ Dedicated Technical Manager throughout your project
- ✓ Rooftop survey and condition reports
- ✓ Government grant, funding & bid support
- ✓ Bespoke specification and detail drawings
- ✓ Cloud-based roof asset management service



I recommend Garland UK for the quality of technical advice and expertise we receive. We always get the best result for our projects.

Dave Garvey

Contracts Manager, Crown Service



Cold-applied Liquid Waterproofing Systems

Expertly formulated to deliver high-performance waterproofing and long-life durability, suitable for a wide range of applications.

Our range of cold-applied liquid waterproofing systems are tough and fully flexible, providing seamless coverage for roofing and building envelope projects.

Liquid waterproofing is a fully-adherent system that can be applied without heat or a naked flame. With complete coverage and complete peace of mind, it delivers a more economical, efficient and time-sensitive solution for new-build and refurbishment projects.

Liquid systems are one of the most cost-effective methods for waterproofing a roof, balcony, walkway or car park, where correct installation and maintenance can provide a long-term life expectancy, often over 25 years.

Benefits of cold-applied liquid waterproofing systems?

- ✓ 100% waterproof and UV protection
- ✓ Monolithic coverage
- ✓ Elastometric surface
- ✓ Awkward detail protection
- ✓ Fast installation
- ✓ Cost-effective
- ✓ Compatible with most substrates
- ✓ Range of colours and finishes
- ✓ Suitable for overlay applications

Liquid system credentials



Broof(t4)

7NFRC
LEADING ROOFING EXCELLENCE



Applications

Complete design flexibility, that will exceed the demands of your building's requirements.

Our Technical Managers are experts in the specification and application requirements of our liquid waterproofing systems and work closely with you to tailor a solution that will resolve any design or waterproofing challenges within a clearly defined budget and project managed time-scale for delivery.

The versatility of the cold-applied liquid system range makes it the ideal choice for any type of project and building type. In addition, the flame-free application is ideally suited to sensitive sites with strict fire-mitigation policies, such as educational institutions and healthcare estates.

The seamless membrane is ideal for long-term waterproofing. It is particularly suited to sealing awkward detailing for roof details such as pipework, upstands, ventilation points and underneath hard-to-reach plant equipment spaces.



Refurbishment

With superior crack-bridging qualities, the range of liquid systems available can be tailored to strengthen and waterproof a failing roof, balcony or car park as part of a refurbishment project.

Popular with asbestos management, liquid systems are ideally suited to sealing and encapsulating harmful asbestos dust and fibres, mitigating the need for complete removal and waste to landfill.

A cost-effective means to tackle cut-edge corrosion, liquid systems can be used to refurbish and extend the life of affected metal roofs.



Replacement

Liquid coatings are an ideal choice for failed waterproofing systems with complex roof structures, often specified for healthcare estates and office buildings with extensive machinery or plant equipment occupying the roof spaces.

With a long life of over 25 years, utilising liquid coatings for replacement applications will provide significant savings compared to the cost of a complete roof replacement. Compatible with most substrates, liquid waterproofing is a highly durable system that extends the life of your building.

New Build

Liquid coatings are seamless and fully bond to the substrate, delivering a smooth and modern aesthetic ideally suited to many new-build projects.

Liquid coatings are popular with architects and specifiers, providing elastic coverage with hard-wearing surfaces. When building an inverted roof, a liquid system application will ensure the building is made watertight quickly and allow internal works to commence without delay.





Liquid waterproofing systems at a glance

Introducing our diverse range of waterproofing systems, ensuring the right solution for you roof.

Liquid waterproofing is an exceptionally versatile roofing option that offers a quick and hassle-free way to create waterproofing protection on roofs and trafficable areas including walkways, balconies and car parks.

System	Application	Curing Time	Chemical Composition	Odour	Single-Point Guarantee
Dura-Coat	Roof	40-90 minutes	PUMA	Yes	20 years
Dura-Walk	Walkway/balcony	40-90 minutes	PUMA	Yes	15 years
Dura-Park	Car park	40-90 minutes	PUMA	Yes	5 years*
White Knight	Roof	6-18 hours	PU	Yes	25 years**
Liqui-Zero	Roof	60 minutes	Polyurea	No	20 years

*Material only guarantee ** Up to 25 years depending on coverage rates

Dura-Systems

100% waterproof range of cold-applied liquid coating systems

The Dura-Systems range of waterproofing products provide fast curing and highly elastic waterproofing systems, developed using unique polyurethane modified methyl-methacrylate (PUMA) resins. This allows the system to be applied at temperatures as low as 0°C and serviceable in short periods whilst maintaining outstanding performance characteristics.

Dura-Systems are UV and wear-resistant, available in multiple finishes for total aesthetic control. The individual components within the system form a highly versatile, elastic waterproofing system for old or new built-up roof systems, concrete, mastic asphalt, metal, timber, single-ply systems, epoxy and existing methyl-methacrylate coatings.



Dura-System range

Coat

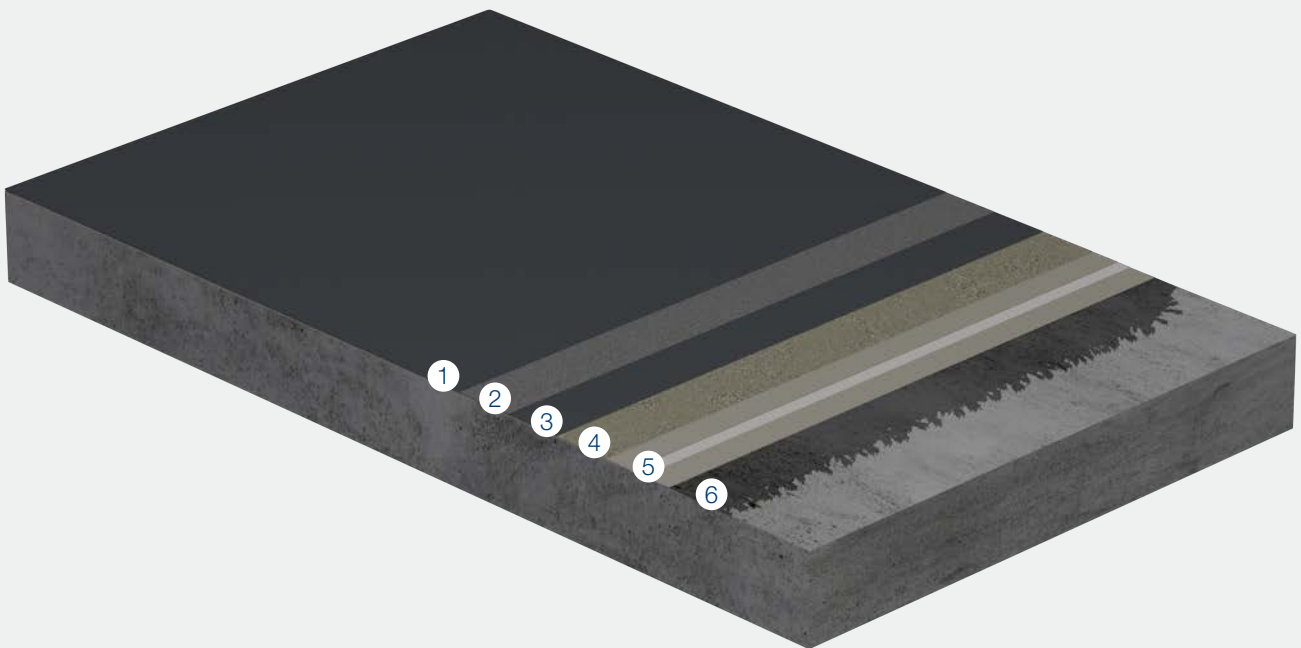
Dura-Coat is ideally suited to flat roofs, pitched roofs and detailed areas such as interfaces and upstands. Suitable for a range of roof types, Dura-Coat is commonly used for built-up roofs, mastic asphalt, or single-ply restoration.

Walk

The specifier's choice for walkways, balconies and high foot-traffic areas, Dura-Walk has superior durability and abrasion resistance. Available in uniform colour, coloured quartz, partial flake and full flake system variations.

Park

Structural protection for car parks and areas subjected to intense vehicular load bearing, weathering and mechanical damage. Dura-Park's overlay solution protects decks and improves safety with clear marking colourways.



Layer	Component	Dura-Coat	Dura-Walk	Dura-Park
1	Dura-Systems Top Coat	-	✓	✓
2	Quartz	-	✓	✓
3	Dura-Systems Top Coat	✓	✓	-
4	Dura-Systems Wearing Layer	-	-	✓
5	Dura-Systems Membrane with Grip-soft Polyester reinforcement	✓	✓	✓
6	Dura-Systems Concrete Primer	✓	✓	✓

Dura-Coat

High-performance heavy-duty cold-applied liquid roof system suitable for repairs, renovations and new build projects.



The Dura-Coat System provides excellent protection to roof and building envelope spaces, available in multiple finishes for total aesthetic control.

Providing seamless coverage and wear resistance, Dura-Coat's fast curing times enable contractors to work quickly between inclement weather, returning the roof areas to normal use sooner, even at low temperatures.

Suitable for coating steep inclined surfaces, Dura-Coat provides highly flexible monolithic coverage and crack-bridging properties.

Features:

- ✓ Zero-Flame application
- ✓ 100% waterproofing protection
- ✓ Unique PUMA technology
- ✓ Low-temperature application (0°C)
- ✓ Elastometric and crack bridging
- ✓ Rapid 30-minute cure time (30 minutes between layers)
- ✓ Compatible with solar and green roof systems
- ✓ 20 year Single-Point Guarantee

Applications

Dura-Coat is versatile in its waterproofing application, from complete roof areas to more complex roof structures with multiple details and penetrations, such as underneath plant equipment, upstands and ventilation points.

Dura-Coat can also be used in conjunction with existing bituminous membrane or metal profile systems, making it the ideal treatment for asbestos encapsulation or cut-edge corrosion projects.

Available in a light or dark grey finish as standard, Dura-Coat's colour pigment options can match existing roof systems, including weathered copper.



Dura-Coat Build-Up

- Vapour Control Layer
- Insulation Adhesive
- Coated Glass Tissue Faced PIR
- SA Contact Primer
- SA Carrier Layer
- Dura-Systems Membrane with Grip-soft Polyester reinforcement
- Dura-Systems Top Coat



Dura-Walk

A high-performance liquid waterproofing system with innovative PUMA technology for balconies, terraces and pedestrian walkways.



Dura-Walk is a fast curing, elastomeric waterproofing system designed to increase the life of residential and commercial balcony areas. Made from advanced polyurethane-modified methyl-methacrylate (PUMA) resins, Dura-Walk can be installed in challenging temperatures as low as 0°C.

The Dura-Walk System is UV and puncture-resistant, available in various finishes for total aesthetic control on your project. Designed to withstand high-impact and heavily trafficked areas, the individual system components create a highly versatile and hard-wearing finish.

Features:

- ✓ Zero-Flame application
- ✓ 100% waterproofing protection
- ✓ Rapid cure times (30 minutes between layers)
- ✓ Highly flexible
- ✓ Durable and non-slip
- ✓ Low-temperature application
- ✓ Excellent crack bridging qualities
- ✓ Range of aesthetic finishes
- ✓ Compatible with solar and green roof systems
- ✓ 15 year Single-Point Guarantee

Applications

Dura-Walk is a versatile system that can be used on new build projects as well as refurbishment and maintenance projects, restoring and repairing existing surfaces with ease.

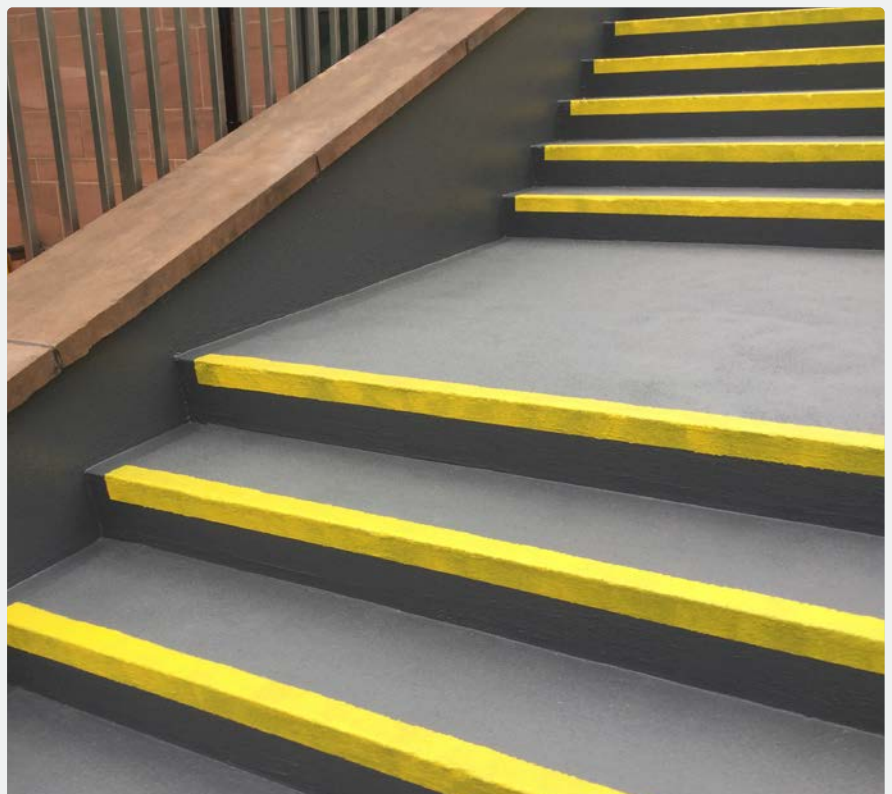
Ideally suited to communal areas such as balconies, stairwells, walkways and landings, the fast-curing system increases application efficiency and reduces disruption to building occupants.

In addition to its resilient finish, coloured pigment can be added to the top coat to create safe walkways with clearly identifiable access routes and essential regulation areas such as fire exits.



Dura-Walk Build-Up

- Dura-Systems Primer
- Dura-Systems Membrane
- Grip Polyester Soft Reinforcement
- Dura-Systems Wearing Layer and Natural Quartz
- Dura-Systems Coloured Top Coat



Dura-Park

High-performance liquid waterproofing system for car park applications.



Dura-Park protects the areas exposed to high and diverse stress from vehicles and foot traffic, making it the robust coating and waterproofing system of choice for multi-storey and underground car parks.

Combining the elastic and crack-bridging properties of PU and the rapid curing time of MMA's, Dura-Park's unique PUMA technology guarantees reliable wear resistance and system longevity.

Dura-Park comes in various colourways to highlight different parking levels, bays and demarcation for pedestrian paths, to clarify designated usage and increase user safety in trafficked areas.

Features:

- ✓ Zero-Flame application
- ✓ Unique PUMA technology
- ✓ High impact and wear resistance
- ✓ High skid resistance
- ✓ Design flexibility
- ✓ Fast curing
- ✓ 5 year Material Guarantee

Applications

Suitable for ramps, walkways, car parks and stairs, Dura-Park's application versatility makes it suitable for a range of new and refurbishment projects.

Dura-Park can be applied to a range of substrates, including asphalt, concrete and metal; several layers can be applied on the same day, ensuring business continuity with no long periods of inactivity.

Dura-Park is a rigid coating for intermediate and top decks, where all layers are resistant to rain after 1 hour, with application suitable in temperatures from +0°C to +35°C.



Dura-Park Build-Up

- Dura-Systems Primer
- Dura-Systems Membrane
- Grip Polyester Soft Reinforcement
- Dura-Systems Coloured Top Coat & Natural Quartz
- Dura-Systems Coloured Top Coat



White Knight

Versatile liquid waterproofing for additional reinforcement and weatherproofing to new and existing roof systems.



White-Knight is a multi-purpose single component polyurethane liquid-waterproofing membrane that can be used to coat the entire roof or restore and repair single-ply, metal, asbestos or modified roof systems.

Formulated to provide superior chemical resistance to many oils, acids and contaminants, White-Knight will effectively extend the life of a roof system and is often used as an interim waterproofing solution before full replacement or refurbishment works are budgeted.

Used to coat an entire roof or in isolated areas as a repair material for maintenance applications, this high-performance system is often used as a coating in conjunction with Garland's GarMat fibreglass as a reinforcement layer for exceptional strength and stability.

Features:

- ✓ Zero-Flame application
- ✓ 100% waterproofing protection
- ✓ Superior chemical resistance
- ✓ Straightforward application
- ✓ Compatible with solar and green roof systems
- ✓ Up to 25 year* Single-Point Guarantee

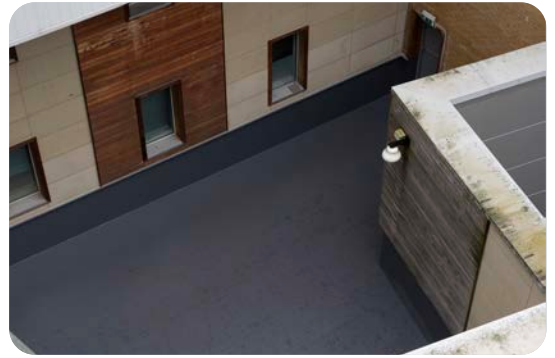
*Dependent on coverage rates

Applications

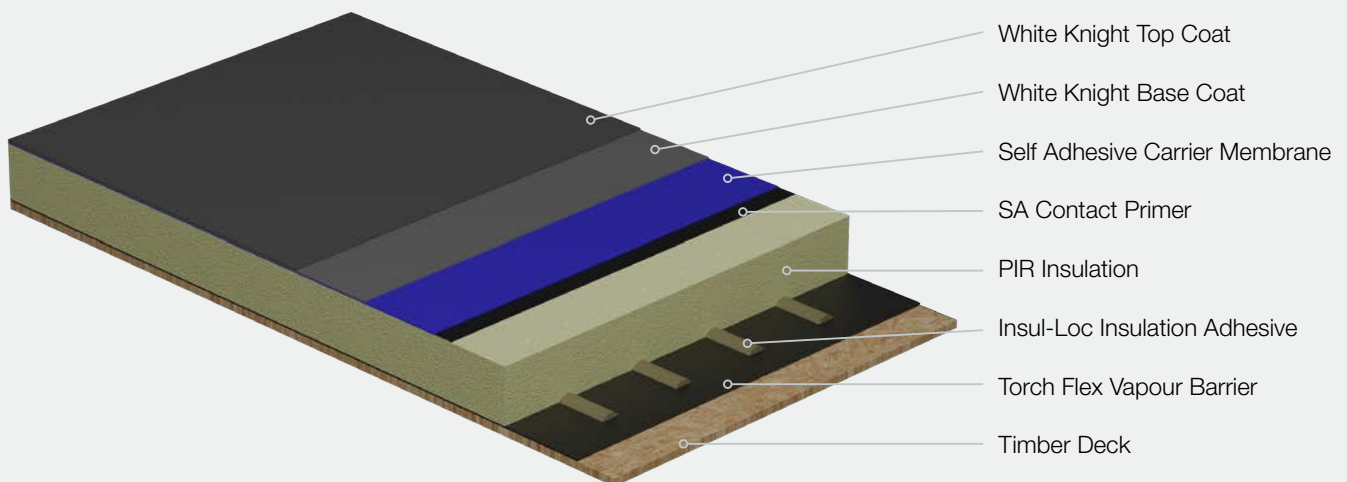
White-Knight's protection barrier over metal seams and fasteners will stop leaks and create a waterproof barrier. White-Knight is also an economical solution that mitigates asbestos disposal costs by efficiently encapsulating asbestos roof structures.

With fewer layers but a longer cure time than the Dura-Coat system, White Knight is ideally suited to projects that require protracted working time, such as particularly detailed roof work.

White Knight is also effective for single-ply roof failures. The high-performance coating bonds directly to the membrane, forming a durable layer of defence against moisture, UV light, impact, chemicals and standing water to extend the roof's life.



White Knight Build-Up



Liqui-Zero

Dependable waterproofing with zero solvents and zero odour.



Liqui-Zero is a two-component liquid waterproofing membrane specifically designed for application in sensitive environments.

The zero Volatile Organic Content (VOC) formula prevents disruptions to the day-to-day operations of sites where odours can be a nuisance, such as healthcare, education, food manufacturing or laboratory settings.

Liqui-Zero is a durable system providing a monolithic waterproofing barrier with flexible and long-lasting protection.

Features:

- ✓ Zero-Flame application
- ✓ Zero VOC and solvents
- ✓ Odourless
- ✓ Fast cure time
- ✓ Excellent UV stability
- ✓ Strong substrate adhesion
- ✓ High tensile strength
- ✓ Straightforward application
- ✓ Compatible with solar and green roof systems
- ✓ 20 year Single-Point Guarantee

Applications

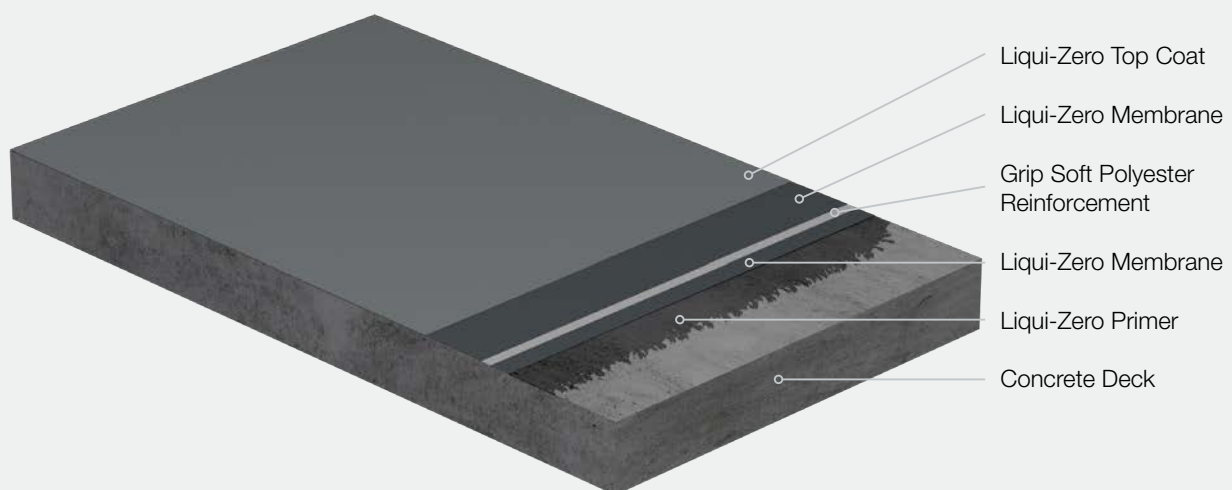


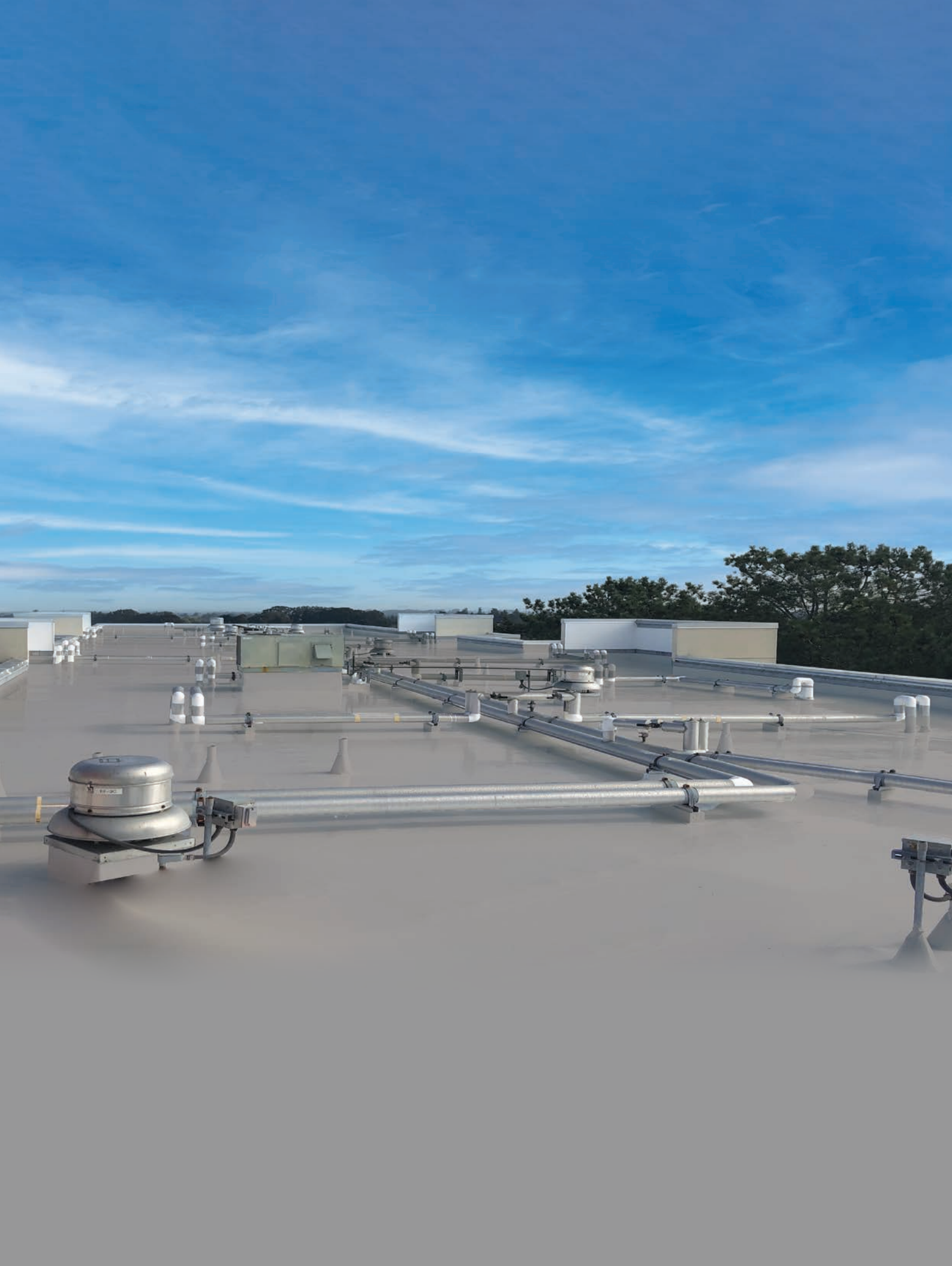
Best suited for refurbishment and replacement projects, Liqui-Zero can be applied by roller or brush in a variety of build-up options to suit individual project requirements. Liqui-Zero can be used for New-Build projects, particularly if an extension to an existing building.

Curing is initiated by adding a pre-measured liquid catalyst, allowing Liqui-Zero to be laid at 5-35°C temperatures as a wet-on-wet application.



Liqui-Zero Build-Up





Liquid Waterproofing Systems FAQ

What are the benefits of liquid waterproofing compared to other systems?

Liquid systems mitigate the use of naked flame on construction sites, making them ideally suited to education, healthcare and manufacturing projects.

Liquid systems also waterproof the typically hard-to-reach areas, such as underneath plant equipment, unlike other systems.

Can you install a Green roof on a Liquid system?

Yes, Dura-Coat is resistant to root penetrations. Other liquid systems will perform as expected when incorporating a root barrier into a Green roof installation.

Can you install Solar PV on a Liquid system?

Yes, Garland's liquid systems are compatible with ballasted solar PV systems that avoid unnecessary roof penetrations.

What roof preparations are required?

Substrates must be dry, clean and free from loose particles to ensure any contaminants that could affect adhesion are removed.

Why does White Knight have two different colours in the build-up?

Light and Dark Grey coatings improve the installation process by quickly differentiating between embedment and top coats.

Is it possible to combine different Liquid systems?

Yes, Garland's liquid range can provide seamless integration from walkways to roofs to ramps, with small changes to the build-up.

Can you add colour?

Yes, Dura-Coat can incorporate up to 213 classic RAL colours. Dura-Park improves car park environments with colour, for directional signage and improved safety markings.

Systems that support your environmental initiatives

We design our waterproofing systems with performance and longevity in mind, offering tailored sustainable solutions that will enhance the environmental credentials of your building.

Our liquid systems can transform existing roofs with their range of reparative and restoration qualities. This ensures the longevity of the roof life cycle is maintained whilst mitigating waste to landfill through unnecessary roof replacement works or asbestos removal.

Solarise (solar PV) and Green Shield (green and blue roof) systems can be used alongside the complete range of Dura systems, White Knight and Liqui-Zero to deliver significant environmental benefits to your building.



Solarise

Solarise PV systems can be used alongside Garland's complete range of waterproofing systems, including bituminous membranes, green roofs, metal profiles and cold-applied liquid coatings.

Solarise successfully generates an effective and sustainable energy source for commercial buildings, reducing operation running costs and the carbon output of your building.

Following a liquid system installation, we recommend using a Solarise ballasted system to ensure the waterproofing integrity is not compromised with penetrations to the roofing system.

[See the Solarise system](#)



Green Shield

Green Shield's high-performance range of green roof systems provides a new value to the role of buildings, reducing energy consumption, improving air quality, increasing rainwater retention and creating a visually appealing environment for the occupants.

Dura-Coat is resistant to root penetrations. Other Garland liquid systems will perform as expected when incorporating a root barrier into a Green Shield installation.

[See Green Shield system](#)

Garland's Single-Point Guarantee

Our Single-Point Guarantee gives you complete peace of mind, with no hidden surprises.

Garland UK is a 100% employee-owned subsidiary of Garland Industries and we are one of the oldest and most financially stable manufacturers in the construction industry.

We believe that the best guarantee for your roof is not just the certificate but the process that ensures its performance for the future. Unlike other roofing manufacturers, a single call to your dedicated Technical Manager is all you need to do, and we take care of the rest.



Features:

- ✓ Design, System and Installation liability covered
- ✓ Garland UK take 100% ownership of the issue
- ✓ A quick and straightforward process to repair if a fault arises
- ✓ Up to 30 years of coverage
- ✓ Complete peace of mind

Compare our Liquid Waterproofing Guarantees

System	Type	Single-Point Guarantee
Dura-Coat	Cold-applied liquid	20 Years
Dura-Walk	Cold-applied liquid	15 Years
Dura-Park	Cold-applied liquid	5 Years*
White Knight	Cold-applied liquid	25 Years**
Liqui-Zero	Cold-applied liquid	20 Years

*Material only guarantee ** Up to 25 years depending on coverage rates

Industry leading service

As a partner for the life of your building, our Technical Managers work tirelessly to provide expert advice and support services.

We are committed to raising standards in the industry, and work closely with you to ensure your project delivers on its environmental initiatives.

PartnerCare

Giving you long-term confidence in a Garland system, PartnerCare takes the unknowns out of your roofing project, delivering market-leading support and solutions through your expert local Technical Manager.

[Read more >](#)



Why choose Garland?

- ✓ Protected against design, system and installation liability
- ✓ Garland UK take 100% ownership of any issue with your roof system
- ✓ Simple and direct process to rectify any issues
- ✓ Complete peace of mind

Case Study

Queen Mary's Hospital

Cold-applied liquid waterproofing to eliminate fire risks during construction and minimise patient disruption.

The Oxleas NHS Foundation Trust at Queen Mary's Hospital in Sidcup, appointed Garland UK to support their long-term asset management goals to refurbish and maintain their buildings for the future.

The project goal was to prolong the roof's life as much as possible and restore the existing system before any water ingress, or further problems occurred. The 2,000 sqm roof project at Queen Mary's Hospital would also need to ensure that fire risks were eliminated during construction, all plant equipment supplying essential services was left undisturbed and minimum disruption to patients during the works.

With its zero-flame application, Garland's Dura-Coat cold-applied liquid waterproofing system was specified as the ideal solution for the sensitive site. Dura-Coat's 100% waterproofing and rapid cure time of just 30 minutes also made it ideally suited for restoring and sealing the more awkward detailed areas such as upstands and ventilation points.

Utilising extendable rollers, the Approved Contractor could efficiently apply the Dura-Coat system evenly apply underneath the active plant equipment, ensuring no disruption to the hospital's daily operation. The project was visited twice weekly during the works to carry out quality checks and progress reports to multiple stakeholders, and the project was completed on time and within budget.

Garland UK supplied The Oxleas NHS Foundation Trust with a market-leading 20-year Single-Point Guarantee on completion, taking full accountability for the project's design, waterproofing system and installation liability, providing complete peace of mind for the future of the hospital's roofing assets.







Contact your local expert today.

Our Technical Managers are on hand to assist and provide technical advice on your building envelope and roofing systems.



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