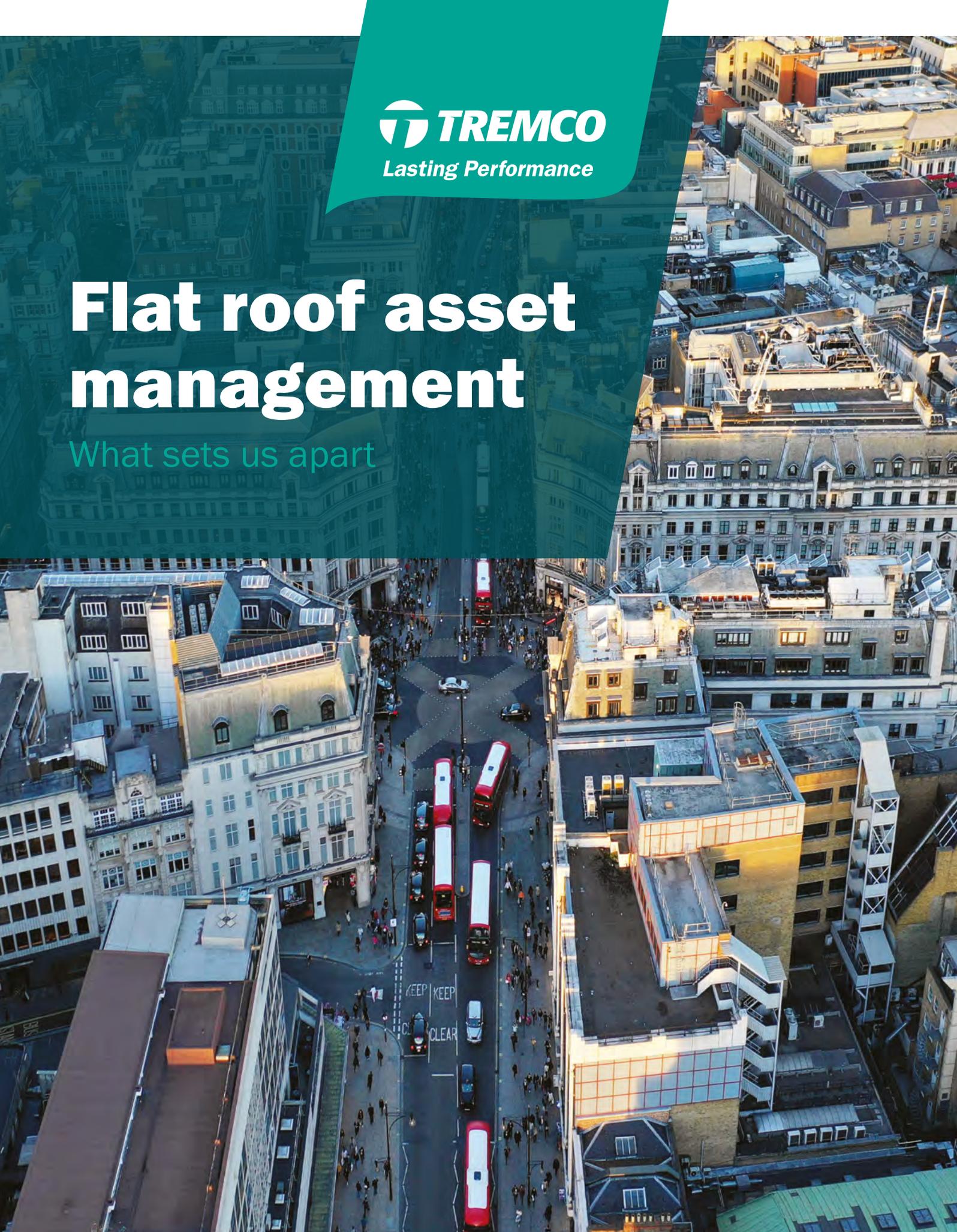




# Flat roof asset management

What sets us apart



# 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 Tremco 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 positions us as a single source solution for roofing. 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

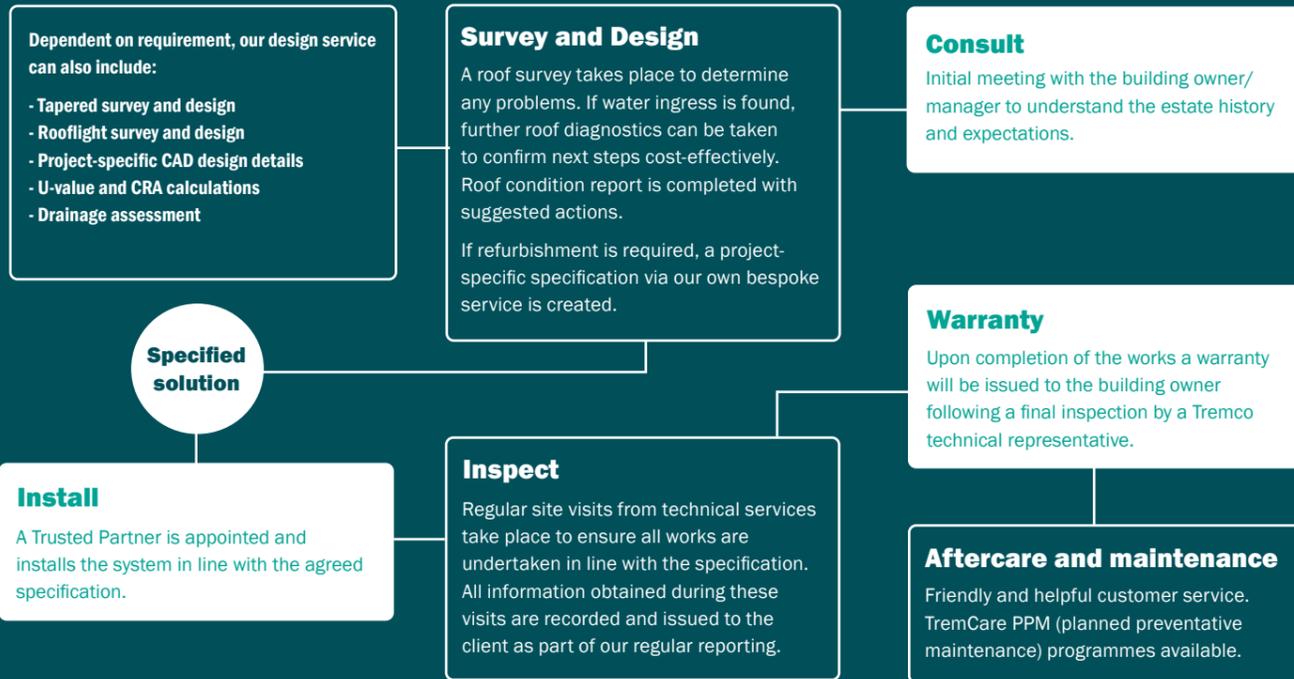
We value collaboration; from initial proposals to installation and completion. This ensures projects run smoothly, from a cost, safety, and time perspective. We provide customer service support throughout including dedicated Sales and Technical Managers for each project.

## Key sectors

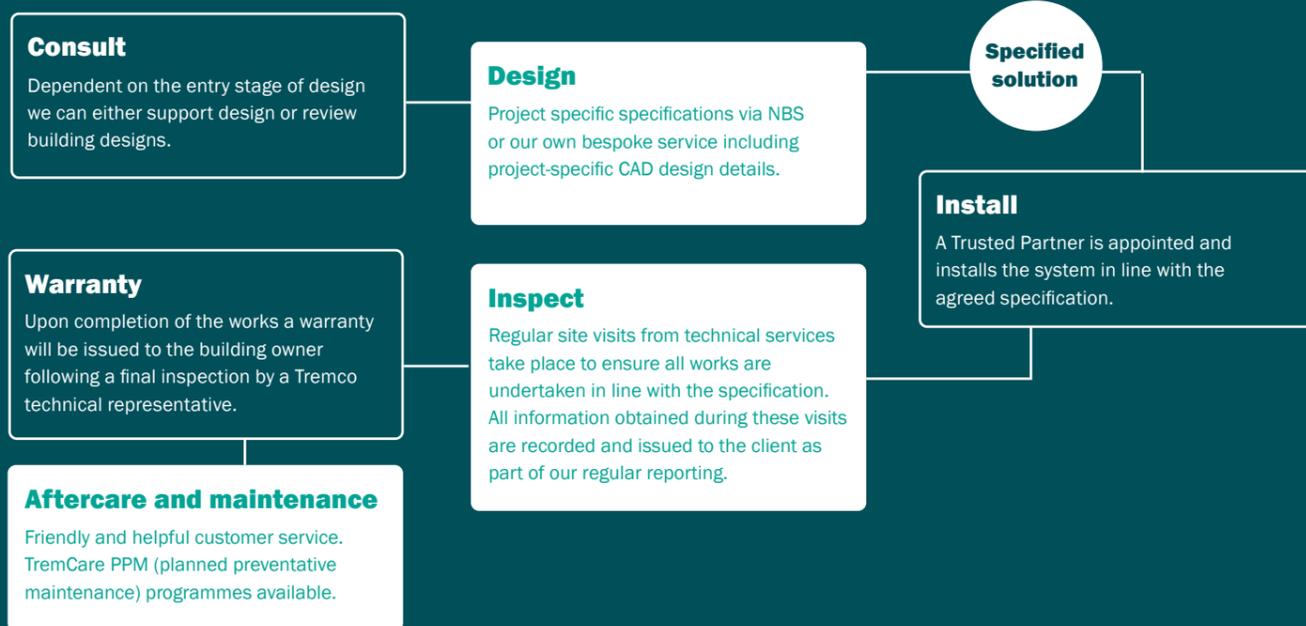
Housing	Education	Healthcare	Government Buildings
Retail	Leisure	Commercial	Industrial

## Our single source solution service

For **refurbishment projects**, we:



For **new build**, we:



# WHAT SETS US APART?

UK manufacturer	6
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WHAT SETS US APART...

# UK manufacturer

**It's important to us we consider our impact on people and our planet. From employment and work culture to our environment. Therefore, we pride ourselves in being a UK manufacturer, with a state-of-the-art factory in Wigan.**

Our Wigan manufacturing started production in 1985 and now is 120,000 sq ft in size following significant growth delivered in three phases. Established as a high volume manufacturing operation it produces a core range of products including fire protection, flooring screeds and adhesives, waterproofing and roofing products. It has been an essential component in gaining the following ISO certifications:

- ISO 14001: Environmental Management System
- ISO 9001: Quality Management System
- ISO 450001: Occupational Health and Safety

The factory also supports an abundance of third party businesses following comprehensive procedures and processes delivering significant construction products to the UK market.



WHAT SETS US APART...

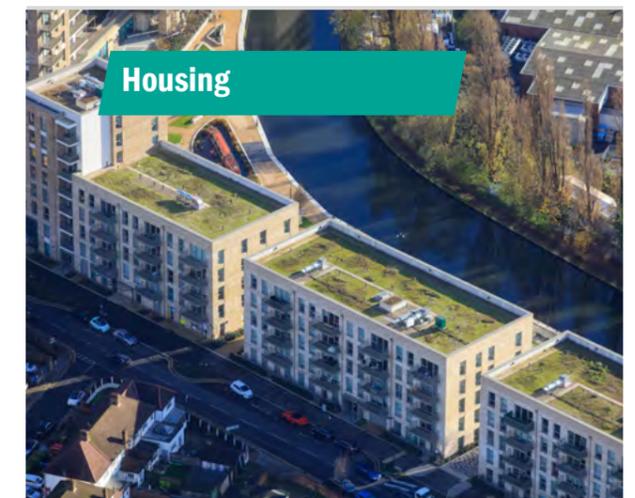
# Our range and options

**Tremco's range of liquid-applied roofing systems can be used as waterproofing flat roofs (both refurbishment and new build), enhancing standing seam/metal roofs and be the foundation for green, blue roofs and landscaped podiums across new build construction projects.**

**Tremco's RBM (reinforced bitumen membrane) flat roofing systems have a long track record in providing superior weatherproofing for all kinds of buildings.**

Both ranges offer the ability to be used in new construction and also to restore a deteriorating but functional roof into a long-lasting, highly efficient waterproofing system. Restoring roofs is a cost-effective option and reduces waste to landfill as the roof can be overlayed to enhance its lifespan and mitigate future leaks. Roof replacement should be seen as a last resort.

Examples of completed projects:



WHAT SETS US APART...

# Our systems



Alumination 301 Metal Refurbishment System



AlphaGuard BIO Liquid Applied Flat Roof System



AlphaGuard Blueshield Inverted Roof System



POWERply TO Flat Roof System



Vulkem Quick Balcony and Walkway System



AlphaGuard PUMA liquid applied flat roof system



POWERply SA Flat Roof System

WHAT SETS US APART...

# Data driven roof diagnostics

## Roof diagnostics meaning

Buildings are made of many different assets (components) with varying life expectancies, therefore understanding and capturing data for each asset's condition is vital.

For roofs, they are often left until an issue arises. However, to mitigate chances of a disruptive and expensive fix, carrying out a technology led survey can diagnose issues to help catch issues early.

## The diagnostic steps

The 'science of early detection' can determine the condition of a roof by identifying, plotting and visually demonstrating areas of concern if present.

This is then followed by refurbishment if issues are found or a proactive preventative maintenance (PPM) programme can be implemented to protect the roof investment. Serviced by the contractual specialist; StructureCare; our internal contractor.



## The science of early detection

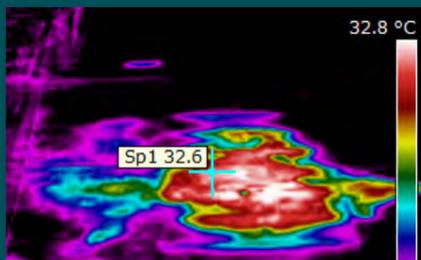
We have a range of technologies as part of our survey and diagnostics service that can be used to detect the presence of moisture.

### Midwave infrared technology

Based on the principle that wet insulation conducts heat more rapidly than dry, we carry out an infrared moisture analysis. A sensitive infrared camera is used to determine varying temperatures to non-destructively pinpoint vulnerable areas. This then demonstrates where moisture has infiltrated the roof, penetrating the insulation below.

### Nuclear technology

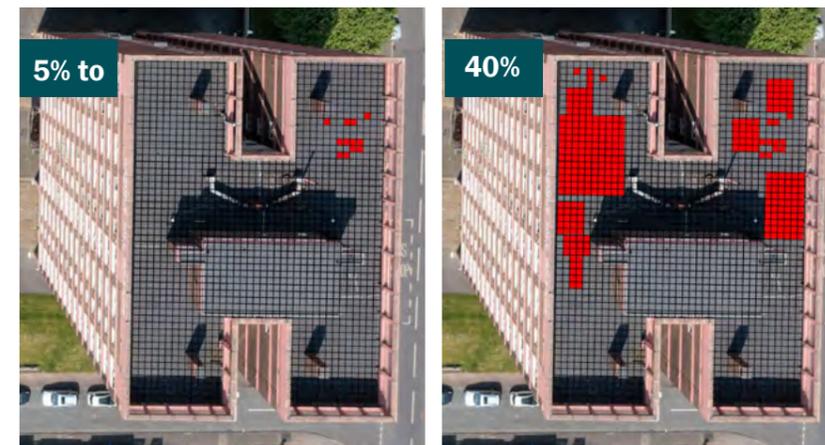
Nuclear technology measures moisture content by detecting changes in the speed of neutron emittance, this is how we identify areas of water ingress. A Troxler is used to carry out this type of non-destructive survey.



# The benefits

- Accurately identifies wet insulation with minimal invasive testing of the roofing system.
- Takes the guesswork out of roof analysis by using scientific data and comprehensive reporting.
- Knowing the condition of an asset is necessary for asset management, this data can also help with the implementation of planned preventative maintenance (PPM). We can offer PPM too, TremCare programmes are tailored to suit your roof to mitigate water ingress in the future.
- If issues are present, and depending on their severity, Tremco can support with reactive repairs and refurbishment.
- Fundamentally, this data reduces life cycle costs by helping prevent the spread of moisture throughout the entire roof system, avoiding costly replacement.

**The cost-effectiveness of early detection - see below example.**



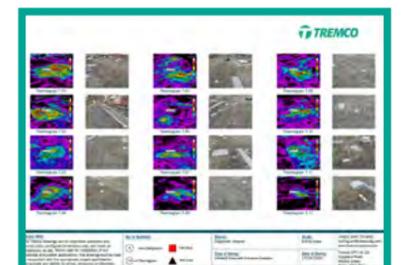
## Early detection cost comparison of 3,000m² roof

Full roof replacement = £750,000  
**vs**  
 Wet insulation range of 5% - 40% and making good areas of wet and a roof refurbishment = £314,520 - £418,260  
 A net saving of (min) = £331,740\*

If planned preventative maintenance is being carried out and an issue is found, just a refurbishment could be recommended, costing £298,348.79.

# The Tremco difference

- **Issues mitigated.** Risk of issues are drastically reduced.
- **Comprehensive reporting.** Detailing the areas of moisture and thermographic demonstrations of the extent and severity of water ingress.
- **One single source.** Tremco manages each element of the project whether its diagnostics to confirm no issues are present, or if issues are found to recommend and complete any required refurbishment. Our internal contracting specialist, StructureCare, is on hand to carry out the diagnostics and recommended works.
- **Trained experts** Our experienced roofing team will be accessing the roof. *It is essential that only trained and accredited individuals access areas at height.*
- **Asset management** Its about maximising the value of a roof asset throughout its life cycle, in the most cost-effective way. Understanding your roof(s) and its condition is a pivotal component to this to ensure your roof investment is protected.



WHAT SETS US APART...

# Bespoke design packages

WHAT SETS US APART...

# Installation via Trusted Partners

When it comes to flat roofs, installation requires consideration of the existing roof if it's an overlay or a complete replacement. For new build it requires an understanding of the bespoke detailing and features of the building. Roofing expertise is essential and that is why we vet and on board a select few contractors in each region to install our systems, known as Tremco's Trusted Partners.

Our systems are only available to our Trusted Partner Contractors, no one else can install a Tremco roof. Our vetting process includes evidence based confirmation of completed works in different roofing practices, such as liquids and/or RBM. We access the associations they are enrolled to alongside financial considerations. By installing through vetted partners it gives peace of mind to our clients that the roof is installed correctly and in line with specification.

Bespoke Project Build-Up

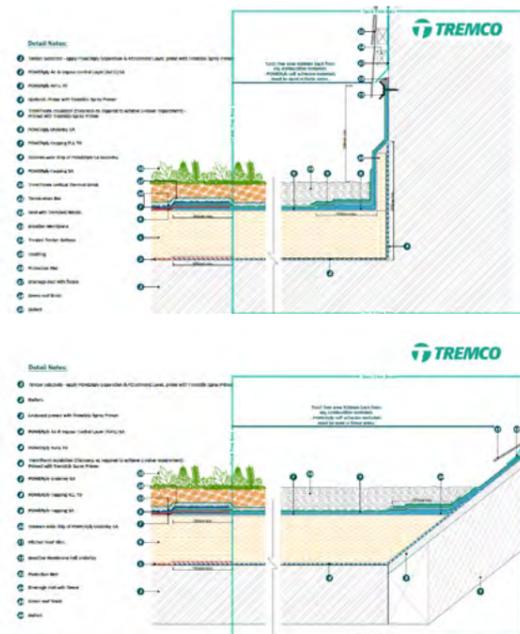
### POWERply TO Warm

TORCH-ON FLAT ROOFING SYSTEM

1. Plywood Deck
2. POWERply Separation & Attachment Layer
3. TremStik Spray Primer
4. POWERply AVCL TO
5. TremStik PU Adhesive
6. TremTherm Insulation
7. TremStik Spray Primer
8. POWERply Underlay SA
9. POWERply Capping FLL TO
10. Green Roof Build-Up

Tremco CPG UK Limited  
 Coupland Road, Hindley Green  
 Wigan WY2 4HJ  
 +44 (0) 1942 251400  
 roofing\_uk@tremco-cpg.com

[www.tremco-europe.com](http://www.tremco-europe.com)



## The service

For refurbishment, we review the roof and then complete a set of bespoke drawings, specifically at detailing, to demonstrate the solution and support with compliant installation.

For new build, we can either get involved at early design stage and have input with roof design (crucial for sustainable roof optimisations such as green roofs) or review existing drawings to ensure harmonious synergy with our system solution. On all drawings we demonstrate compliance to fire safety, in particular our industry standard 'Safe2Torch'.

## The benefits

A single source solution to flat roofing. Whether refurbishment or new build, Tremco can support from design to supply, install, warranty and maintenance - giving you just one port of call at all times.

As we manufacture our solutions, we are also well placed to confirm the best specification for the flat roof application. Giving assurance to supply chain stakeholders.

### Safe2Torch

An NFRC (National Federation of Roofing Contractors) campaign developed in partnership with contractor and manufacturer members, to significantly reduce the risk of roof fires when using gas torches, either to dry out roofs or when used to install torch-on membranes.



**WHAT SETS US APART...**

# Associations and Accreditations

Tremco is associated to a number of industry associations and accreditations via industry recognised standards. These help us to align to industry best practice, and keep up to date with industry innovation and techniques.

## Industry

### BBA

The British Board of Agrément (BBA) drives industry safety by providing services that help clients create accountability and mitigate risk. Our flat roof systems are independently verified by the BBA, certification can be found via the BBA's certification library or on our website.

### LRWA

Liquid Roofing and Waterproofing Association (LRWA) consists of leading liquid manufacturers and contractors. This diverse member mix means the LRWA can act as a collective voice for the industry, providing guidance on industry standards and best practice.

We have our own directory entry where you can find product/system information, CPDs and case studies.

### NBS

National Building Specification (NBS) is a global digital platform for specifiers in the construction of the built environment.

We house all our system solutions via the platform making specification easy for those involved in design.

## Sectors

### IHEEM

The Institute of Healthcare Engineering & Estates Management (IHEEM) is the largest UK professional body dedicated to research, education and the professional development of healthcare engineers and facilities managers. We have a members directory showcasing our service. We also offer CPDs and other educational support with flat roof knowledge (from fire safety to maintenance).

### MATA

Multi-Academy Trust Association (MATA) supports the growing community of Trust leaders with a service that supports collaboration and networking.

We have a members directory showcasing our service. We also get involved in LinkedIn Spotlights, newsletters as well as educational events to support with flat roof knowledge (from fire safety to maintenance).



**WHAT SETS US APART...**

# Our single point warranties (SPW)



**A single point warranty (SPW) in construction is a type of warranty that is provided by a single entity or contractor for the entire construction project.**

**This means that the entity offering the warranty takes responsibility for all aspects of the project, including design, construction, and materials used.**

**The single point warranty offers the owner or client of the project a single point of contact for any issues that may arise during or after the completion of the project.**

### SPW with Tremco

- No additional cost.
- You know who to contact (Tremco's aftercare team). Mitigating any confusion with different customer care numbers and automated call prompts.
- At Tremco a dedicated Technical Manager is assigned to each project, who not only has hands-on roofing experience, but has worked on the project from the word go, and will be available to contact at any time.
- Depending on the defect, we can have our reactive repair team out between 12 hours – 72 hours.
- Ownership is taken of any defect, and therefore no requirement for a third party or insurer to get involved and evaluate the issue.

WHAT SETS US APART...

# Planned preventative maintenance

A roof is also one of the most important assets of a building. Not only to keep occupants and equipment away from the elements, but to remain sound for it to work as its designed to. We often find that problems manifest due to limited, or no, maintenance.

Maintenance should not be seen as an option, but an integral part of asset management. For all manufacturer warranties and guarantees to stand, whether a car or a roof, servicing or maintaining needs to be evidenced. Without maintenance, and if an issue arises, your warranty will be void. Flat roof maintenance is also recommended under BS 6229:2018 and in CDM:2015.

## PPM

Opposed to waiting for something to fail, and rectifying reactively, PPM (planned preventative maintenance), as the title suggests, acts as a preventative measure. Failures can lead to costly and time-consuming disruption to occupants and business operations.

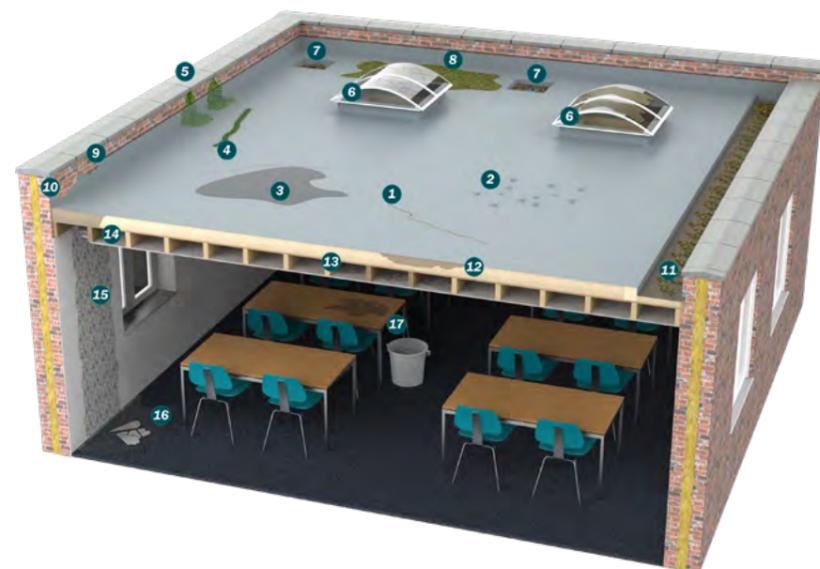
## TremCare

We can manage the maintenance of your roofs inevitably through the contractual specialist; StructureCare.

Depending on the site's needs, inspections will be carried out between 1-2 times annually. A tailored PPM programme can then be created to suit the varying nature of the roof.

### Typical issues:

1. Splits in the waterproofing membrane
2. Blistering
3. Ponding / decking deflection
4. Plant growth from un-repaired split
5. Defective coping / capping joints
6. UV degradation to rooflights
7. Blocked outlets
8. Invasive species / foliage
9. Failed mastic sealant
10. Delamination of upstand waterproofing
11. Box gutter with debris
12. Saturated insulation
13. Mould on the ceiling
14. Saturation through the insulation into the structural deck
15. Water damage to internal walls
16. Water damage to floors
17. Water damage to internal fixtures



Whether its a Tremco roof, a roof under warranty or an old/no warranty roof, we can tailor a PPM programme for your roof estate.

## Our TremCare service



Visual roof inspection and housekeeping including unblocking outlets.



Preventative maintenance repairs on the roof membrane and laps, upstand details, metal and stone cappings, and outlets.



An ongoing maintenance log will be managed alongside individual condition reports that will detail cost-effective recommendations if required.

These three core service components are carried out between 1-2 times annually for either a set time period (such as warranty length) and cost (most cost-effective option) or priced annually.

## The Tremco difference

- **Issues mitigated.** Risk of issues are drastically reduced.
- **Roof access.** Included within the package detailing the most cost-effective options for your budget.
- **One single source.** Our internal contractor, StructureCare, is on hand to carry out the maintenance programme. Our roofing division team are experts when it comes to issues and remediation. They have both the manufacturing and contractual knowledge of roofing systems, alongside the essential qualifications and training to work at height. *It is essential that only trained and accredited individuals access areas at height.*
- **Maintenance updates.** Updates/logs will be kept to uphold guarantees/warranties.
- **Latest roofing technology.** We have a range of roof diagnostics tools, including thermal imaging equipment, that can demonstrate areas of water ingress non-intrusively if significant damage is uncovered at initial inspection.
- **Sustainable method.** Carrying out PPM will prolong the life of the roof, which therefore, if no roof replacement is required, will reduce the demand for raw materials, energy and land-fill.
- **Asset management.** Its about maximising the value of a roof asset throughout its life cycle, in the most cost-effective way. PPM is a pivotal component to this to ensure your roof investment is protected.

**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.



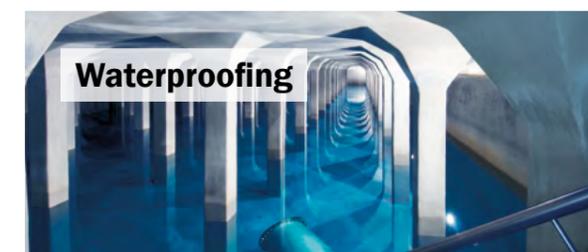
Window Insulation, Façade Construction, Exterior Insulation & EIFS, Structural & Inplant Glazing, Insulated Concrete Forms (ICFs)



Intumescent Coatings, Fire Stopping



Seamless Resin Flooring, Subfloor Preparation, Car Parking Structures



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



Liquid Applied Systems, RBM Systems, Vegetated Roofing

Europe's leading construction products brands...





Tremco CPG UK Limited  
Coupland Road  
Hindley Green  
Wigan WN2 4HT UK

[www.tremco-europe.com](http://www.tremco-europe.com)

+44 (0) 1942 251400  
Sales and marketing: [roofing.uk@tremcocpg.com](mailto:roofing.uk@tremcocpg.com)  
Orders and aftercare: [tremcoroofing@tremcocpg.com](mailto:tremcoroofing@tremcocpg.com)