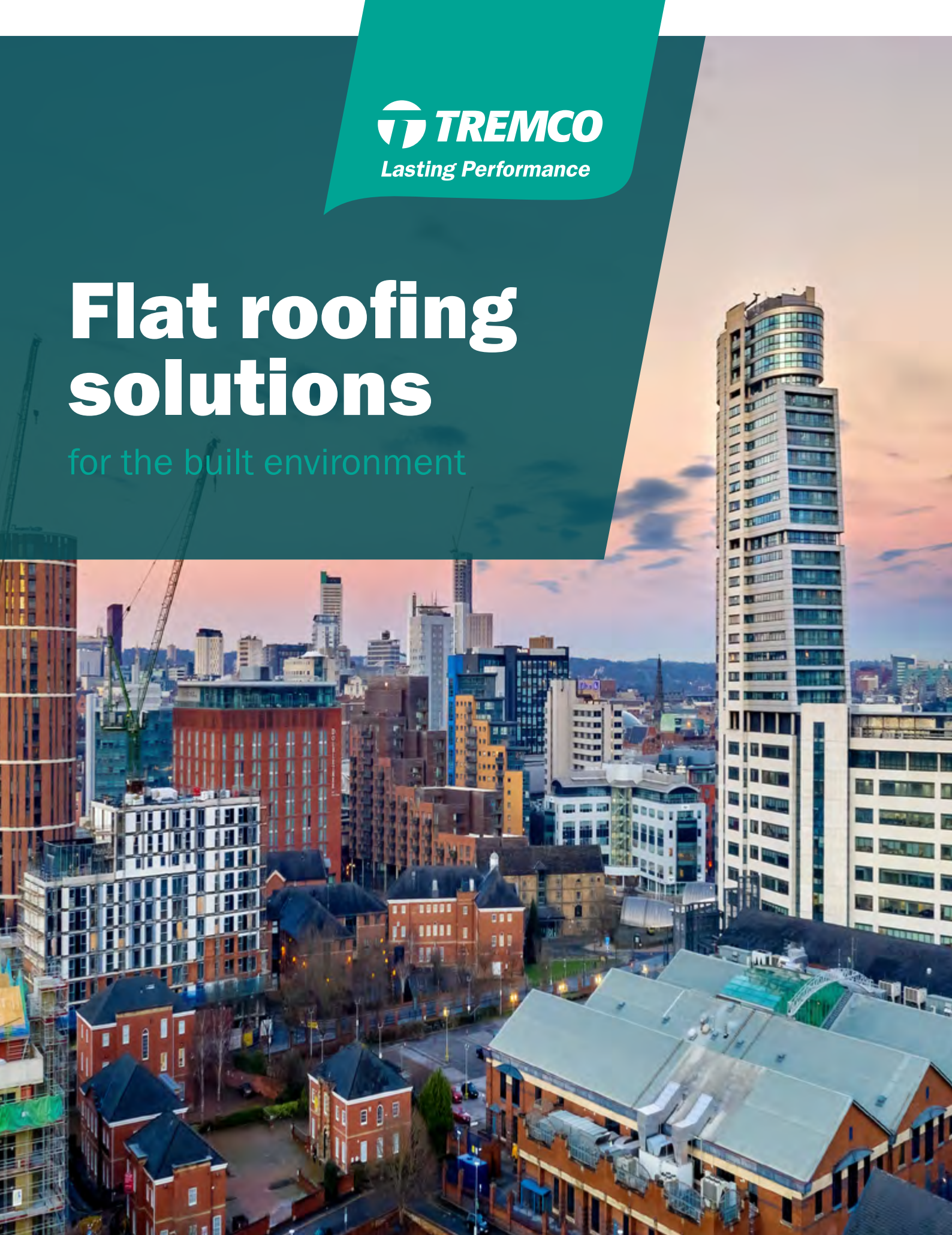




# Flat roofing solutions

for the built environment





# 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 combine 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

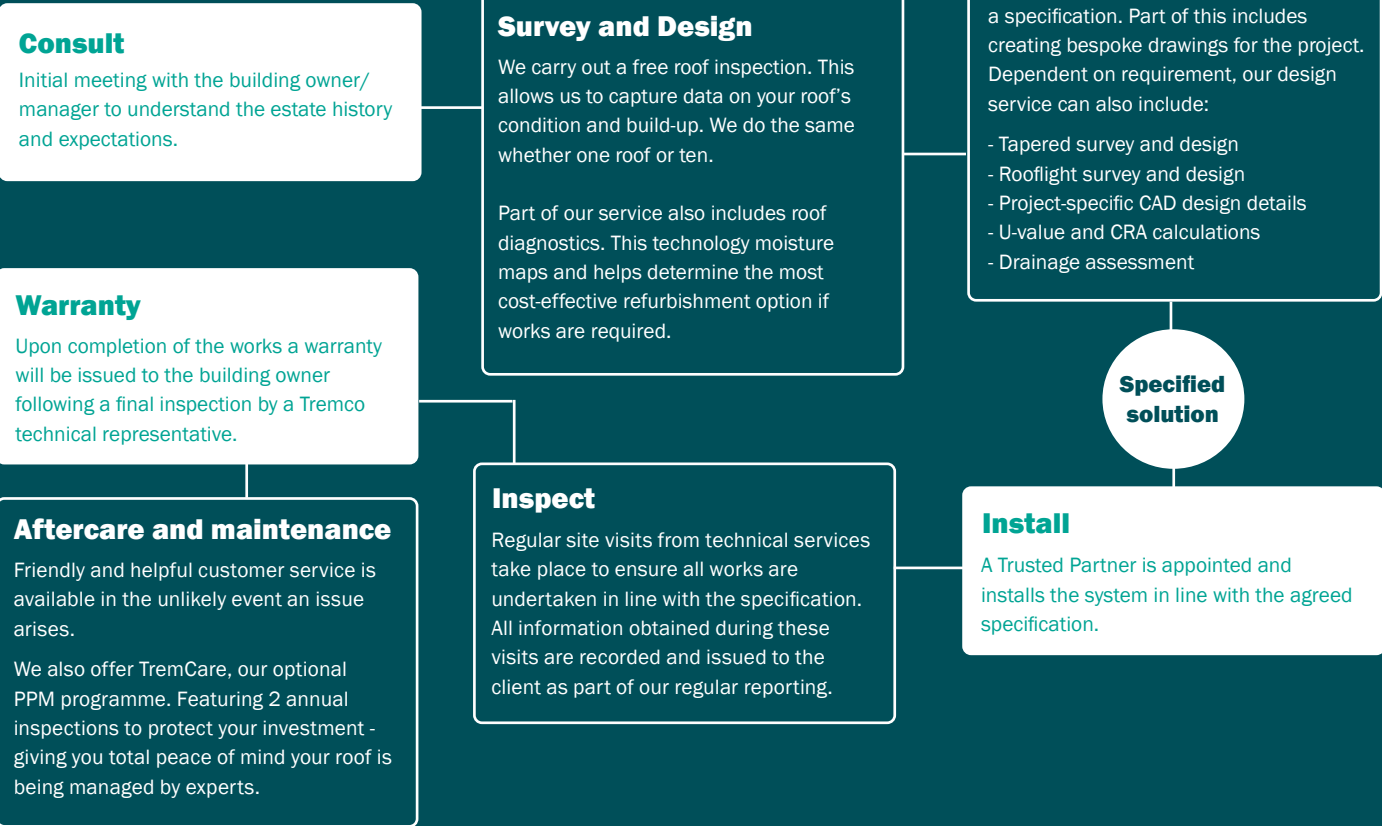


Industrial

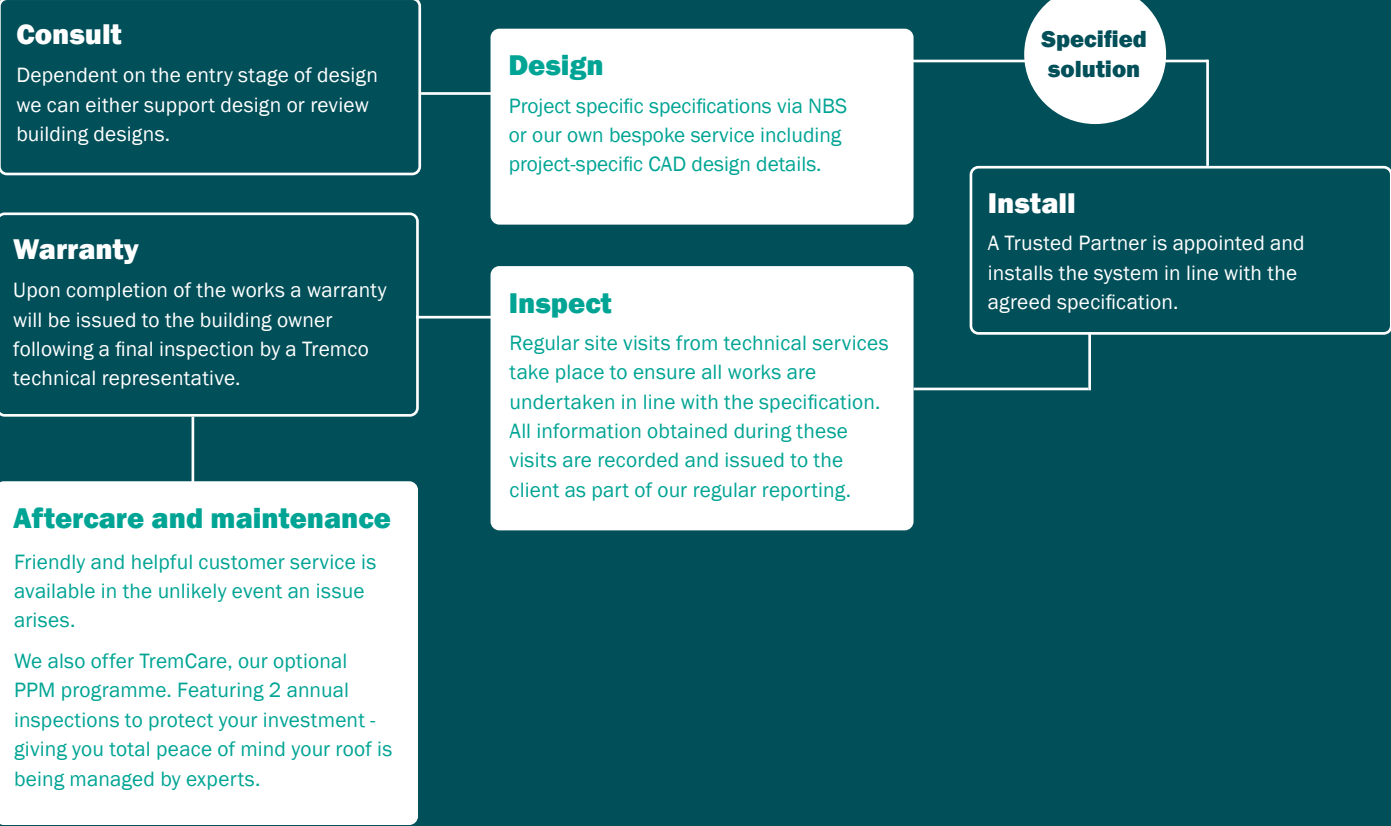


Our single source solution service

For refurbishment projects, we:



For new build, we:





### Our roof systems

#### Liquid Solutions

AlphaGuard BIO 20 Flat Roofing System  
AlphaGuard BIO 25 Flat Roofing System  
AlphaGuard PUMA Flat Roofing System  
AlphaGuard Blueshield Inverted Roof System  
Alumanation 301 Refurbishment System  
Vulkem Quick 20 Walkway and Balcony System

**7 - 13**

#### RBM Solutions

POWERply Flat Roofing System - TO  
POWERply Flat Roofing System - SA

**14 - 16**



# Liquid Solutions

**Tremco's range of liquid-applied roofing systems can be used as the foundation for green and blue roofs and landscaped podiums across new build construction projects.**

**The systems can also restore a deteriorating but functional roof into a long-lasting, highly efficient weatherproofing system without the need for replacement. This option is cost-effective and reduces waste to landfill. Roof replacement should be seen as a last resort.**

The solutions can waterproof over existing flat roof build-ups, structural concrete roof decks, industrial cladding, and can also be part of a build-up for roof replacement and new build construction projects.

Our liquid applied systems offer heat and flame-free application – therefore hot work permits are not required. This is essential for specific detailing and full roof estates in certain sectors.





# AlphaGuard BIO 20

Liquid applied flat roof system



AlphaGuard BIO 20 is a two-part, polyurethane, liquid applied roofing system that can turn your older but still functional roof into a long-lasting, highly efficient weatherproofing system by overlaying.

The system can waterproof over existing flat roof build-ups and structural roof decks. It can also be used as a full system build up for either roof replacement or new build construction projects.

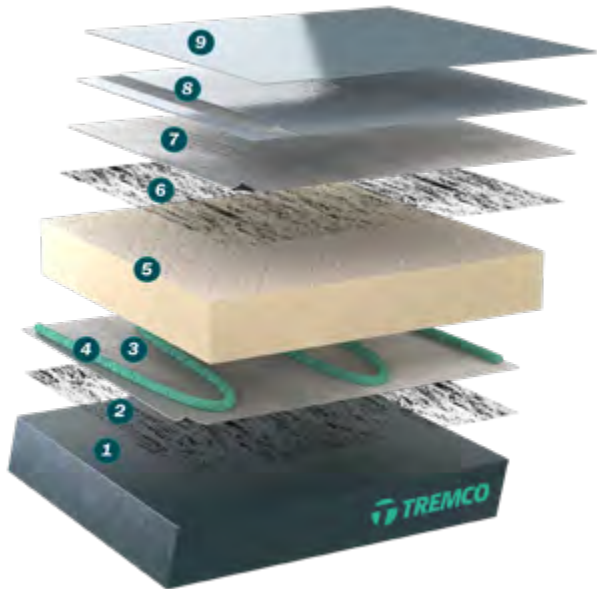
## Suitability

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



## System Features

- Two component chemical cure technology
- Very low odour
- Easy to maintain and repair
- Flame-free installation
- System durability of at least 25 years\*\*
- Very good resistance to chemicals, foot traffic, hail and mould/mildew/fungus
- High thermal resistance
- Excellent cold-weather flexibility, tensile strength and elongation properties
- Cold and warm roof applications available
- Easy application by brush, roller or squeegee



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 by the BBA to work harmoniously with a blue roof application.



## Sustainable component

Base and top coat's composition predominantly includes castor oil.



## Warranty

Once the system is installed and checked by our team, the building owner will acquire a warranty of up to 20 years\*.

NUMBER	PRODUCT TITLE	WEIGHT
1	Prepared Substrate	N/A
2	TremStik Spray-on Primer	Nominal
3	TremVap AVCL	0.65kg/m <sup>2</sup>
4	TremStik PU Adhesive	Nominal
5	TremTherm Insulation	4.48kg/m <sup>2</sup> (140mm PIR)***
6	TremStik Spray-on Primer	Nominal
7	TremVap Carrier Membrane	0.65kg/m <sup>2</sup>
8	AlphaGuard BIO Base Coat with AlphaGuard BIO 225g Reinforcement	1.83kg/m <sup>2</sup>
9	AlphaGuard BIO Top Coat	0.8kg/m <sup>2</sup>

\*Warranties of up to 20 years available depending on build-up components.  
\*\*System durability currently under assessment via the BBA.  
\*\*\*Data represents a typical build-up specification compliant to Part L Regulations.



Tremco CPG UK Limited - A Company approved to:



# AlphaGuard BIO 25

Liquid applied flat roof system



AlphaGuard BIO 25 is a two-part, polyurethane, liquid applied roofing system that can turn your older but still functional roof into a long-lasting, highly efficient weatherproofing system by overlaying.

The system can waterproof over existing flat roof build-ups and structural roof decks. It can also be used as a full system build up for either roof replacement or new build construction projects.

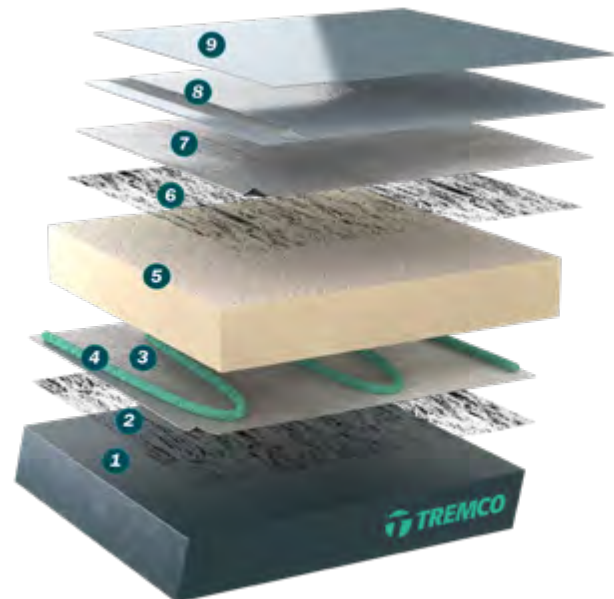
## Suitability

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



## System Features

- Two component chemical cure technology
- Very low odour
- Easy to maintain and repair
- Flame-free installation
- System durability of at least 30 years\*\*
- Very good resistance to chemicals, foot traffic, hail and mold/mildew/fungus
- High thermal resistance
- Excellent cold-weather flexibility, tensile strength and elongation properties
- Cold and warm roof applications available
- Easy application by brush, roller or squeegee



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 by the BBA to work harmoniously with a blue roof application.



## Sustainable component

Base and top coat's composition predominantly includes castor oil.



## Warranty

Once the system is installed and checked by our team, the building owner will acquire a warranty of up to 25 years\*.

NUMBER	PRODUCT TITLE	WEIGHT
1	Prepared Substrate	N/A
2	TremStik Spray-on Primer	Nominal
3	TremVap AVCL	0.65kg/m <sup>2</sup>
4	TremStik PU Adhesive	Nominal
5	TremTherm Insulation	4.48kg/m <sup>2</sup> (140mm PIR)***
6	TremStik Spray-on Primer	Nominal
7	TremVap Carrier Membrane	0.65kg/m <sup>2</sup>
8	AlphaGuard BIO Base Coat with AlphaGuard BIO 225g Reinforcement	1.83kg/m <sup>2</sup>
9	AlphaGuard BIO Top Coat	1.2kg/m <sup>2</sup>

\*Warranties of up to 25 years available depending on build-up components.  
\*\*System durability currently under assessment via the BBA.  
\*\*\*Data represents a typical build-up specification compliant to Part Regulations.



Tremco CPG UK Limited - A Company approved to:





# AlphaGuard PUMA

Liquid applied flat roof system



AlphaGuard PUMA is a polyurethane and methyl methacrylate blend liquid applied membrane that can turn your older but still functional roof into a long-lasting, highly efficient weatherproofing system by overlaying.

The system can waterproof over existing flat roof build-ups and structural roof decks. It can also be used as a full system build up for roof replacement and new build construction projects.

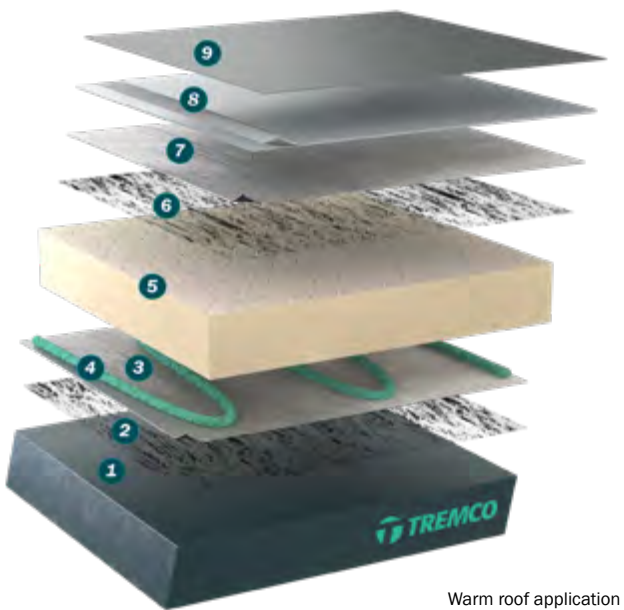
## Suitability

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



## System Features

- Fast catalyst activation - cures in minutes ensuring exceptional application times even in cold weather climates
- Flame-free installation
- Certified by the BBA for durability of at least 25 years
- Seamless finish
- Wide application temp. range of - 0oC to + 30oC
- No shrinkage
- Direct application without primer to most roof substrates
- Cold and warm roof applications available
- Easy application by brush or roller



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.



## Warranty

Once the system is installed and checked by our team, the building owner will acquire a warranty of up to 25 years\*.



## Green roofs

Green roof and roof garden accredited with the inclusion of a root barrier.

NUMBER	PRODUCT TITLE	WEIGHT
1	Prepared Substrate	N/A
2	TremStik Spray Primer	Nominal
3	TremVap AVCL	0.65kg/m <sup>2</sup>
4	TremStik PU Adhesive	Nominal
5	TremTherm Insulation	4.48kg/m <sup>2</sup> (140mm PIR)**
6	TremStik Spray Primer	Nominal
7	TremVap Carrier Membrane	0.65kg/m <sup>2</sup>
8	AlphaGuard PUMA WP with AlphaGuard PUMA 165g Reinforcement Fabric	2.97kg/m <sup>2</sup>
9	AlphaGuard PUMA Coloured Top Coat	0.3-0.5kg/m <sup>2</sup>

\*Warranties of up to 25 years are available depending on build-up components.  
\*\*Data represents a typical build-up specification compliant to Part L Regulations.



# AlphaGuard Blueshield

Inverted liquid applied roof system



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

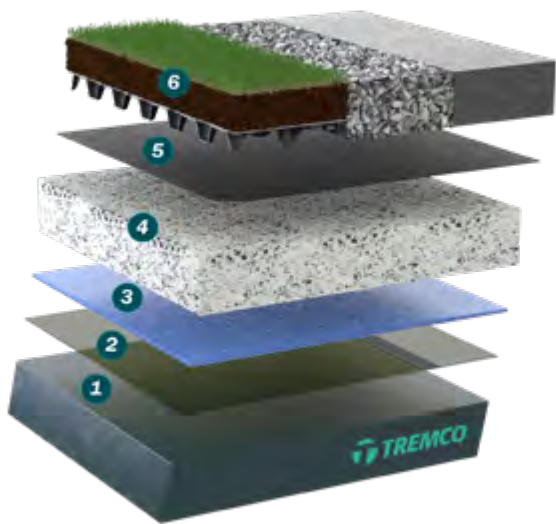
A highly efficient structural waterproofing solution due to the high-speed of the application process. The ideal foundation for complex external finishes are required such as green roofs, blue roofs and/or roof podiums.

## 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) including XPS range and external finishes (ballasted, green and paver systems)



## Blue roofs

Independently certified by the BBA to work harmoniously with blue roof applications.



## Green roofs

Green roof and roof garden accredited.



## Independent certification

Independently certified durability for the design life of the roof in which it is incorporated by the BBA.

NUMBER	PRODUCT TITLE	WEIGHT
1	Prepared Substrate	N/A
2	AlphaGuard Blueshield Primer	50-75g/m <sup>2</sup>
3	AlphaGuard Blueshield	2.7kg/m <sup>2</sup> (minimum)
4	XPS/EPS Inverted Insulation	c66kg/m <sup>2</sup>
5	TremTherm WFRL	c63kg/m <sup>2</sup> **
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.





# Alumanation 301

Liquid applied refurbishment system



Alumanation 301 is an asphaltic liquid applied membrane with an aluminium pigment that can turn your older but still functional metal roof covering into a long-lasting, highly efficient weatherproofing system by overlaying.

The system can waterproof most existing sloped metal roof constructions providing a rustproofing solution and extending the lifespan of the degraded surface finish.

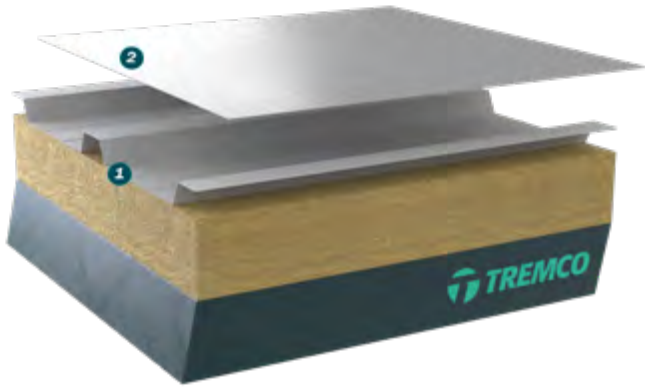
### Suitability

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



### System Features

- Solar reflective
- Prevents corrosion and further oxidation of rust
- Hand apply easy application by brush or roller
- No primer required
- Fast single coat application
- Cost-effective



### Building efficiency

CRRC (Cool Roof Rating Council) rating for solar reflectance and thermal emittance values that can help reduce building temperatures.



### Life cycle enhancement

Factor Mutual approved as a maintenance coating.



### Fire safety

Independently certified to Broof(t4) classification (BS EN 13501-5).



### Warranty

Once the system is installed and checked by our team, the building owner will acquire a warranty of up to 12 years\*.

NUMBER	PRODUCT TITLE	WEIGHT
1	Prepared Substrate	N/A
2	Alumanation 301	approx. 1kg/m <sup>2</sup>

\*Warranties of up to 12 years are available depending on the system build-up components.



# Vulkem Quick 20

Liquid applied walkway and balcony system



Vulkem Quick is a polyurethane and methyl methacrylate blend liquid applied membrane that can turn your older but still functional walkway or balcony into a long-lasting, highly efficient weatherproofing system by overlaying.

The system can waterproof over existing walkway and balcony build-ups and structural decks. It can also be used as a full system build up for either restoration or new build construction projects.

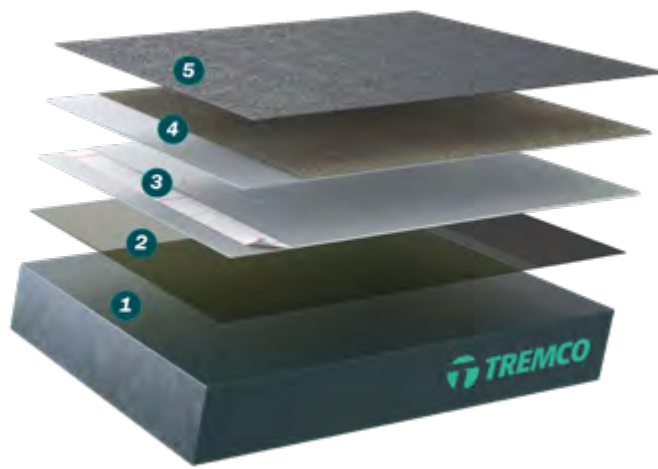
### Suitability

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



### System Features

- Fast catalyst activation - cures in minutes ensuring exceptional application times even in cold weather climates
- Highly effective slip resisting finish
- Flame-free installation
- Seamless finish
- Wide application temperature range of - 0°C to + 30°C
- No shrinkage
- Direct application without primer to most roof substrates
- Easy application by brush or roller



### Fire safety

Independently certified by the BRE to Broof(t4) classification (BS EN 13501-5).



### Warranty

Once the system is installed and checked by our team, the building owner will acquire a warranty of up to 20 years\*.



### Damage resistance

'Resistance to damage' rating of R4 (the highest level of acceptance) under MOAT 31.

NUMBER	PRODUCT TITLE	WEIGHT
1	Prepared Substrate	N/A
2	Vulkem Quick Primer (subject to adhesion test)	0.3-0.5kg/m <sup>2</sup>
3	Vulkem Quick Membrane with AlphaGuard PUMA 165g Reinforcement Fabric	2.97kg/m <sup>2</sup>
4	Vulkem Quick Membrane Blinding Coat and Peran Sand aggregate 0.3-0.8mm	0.5kg/m <sup>2</sup> (membrane) + 3-5kg/m <sup>2</sup> (aggregate)
5	Vulkem Quick Top Coat (RAL 7015)	0.3-0.5 kg/m <sup>2</sup>

\*Warranties of up to 20 years are available depending on build-up components.





# RBM Solutions

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

They are easy to install, even in roof areas with limited accessibility; low odour, and have options for torch-applied or self-adhesive systems (in line with the NFRC's Safe2Torch guidance). Roof replacement is considered as a last resort, where possible the RBM layer can be used as an overlay solution to efficiently renew waterproofing integrity. RBM systems are versatile and can be used for roof refurbishment/overlay, replacement, and new build construction projects.



# POWERply TO

Torch-applied flat roof system



POWERply TO is an amorphous poly-alpha-olefin (APAO) reinforced bitumen membrane (RBM) torch-on solution. It combines pre-engineered components and an established installation process to deliver a proven durable solution. It can turn your older but still functional roof into a long-lasting, highly efficient weatherproofing system by overlaying.

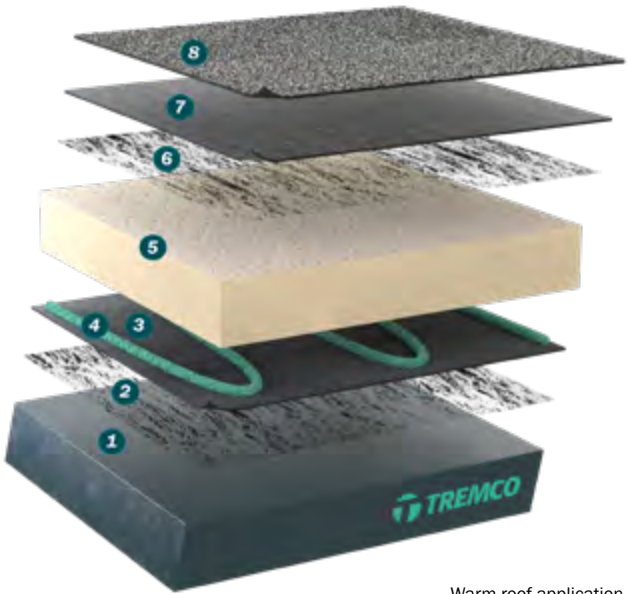
The system can waterproof over existing flat roof build-ups and structural roof decks. It can also be used as a full system build up for roof replacement and new build construction projects.

### Suitability

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

### System Features

- High-performance integrated system
- Time-tested
- APAO - anti-aging formulation. Flexibility at low temperatures -35OC and resistance to elevated temperatures 140OC
- System durability in excess of 30 years\*\*
- Cold and warm roof applications available
- Installed in line with NFRC's Safe2Torch initiative



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.



### Green roofs

Green roof and roof garden accredited with the inclusion of a root barrier.



### Carbon footprint commitment

Manufacturing process in accordance with ISO 14064-1:2018 (Greenhouse gases Part 1).



### Warranty

Once the system is installed and checked by our team, the building owner will acquire a warranty of up to 25 years\*.

NUMBER	PRODUCT TITLE	WEIGHT
1	Prepared Substrate	N/A
2	TremStik Spray Primer	Nominal
3	POWERply AVCL TO	4kg/m <sup>2</sup>
4	TremStik PU Adhesive	Nominal
5	TremTherm Insulation	4.48kg/m <sup>2</sup> (140mm PIR)***
6	TremStik Spray Primer	Nominal
7	POWERply Underlay SA	3.7kg/m <sup>2</sup>
8	POWERply Capping TO	5.5kg/m <sup>2</sup>

\*Warranties of up to 25 years are available depending on build-up components.  
\*\*System durability currently under assessment via the BBA.  
\*\*\*Data represents a typical build-up specification compliant to Part L Regulations.





# POWERply SA

Self-adhesive applied flat roof system

POWERply SA is a styrene-butadiene-styrene (SBS) that is installed through self-adhesion. It combines pre-engineered components and an established installation process to deliver a proven durable solution. It can turn your older but still functional roof into a long-lasting, highly efficient weatherproofing system by overlaying.

The system can waterproof over existing flat roof build-ups and structural roof decks. It can also be used as a full system build up for either roof replacement or new build construction projects. Alongside it being a full roof solution, it can be used solely for combustible detailing, compatible with other systems.

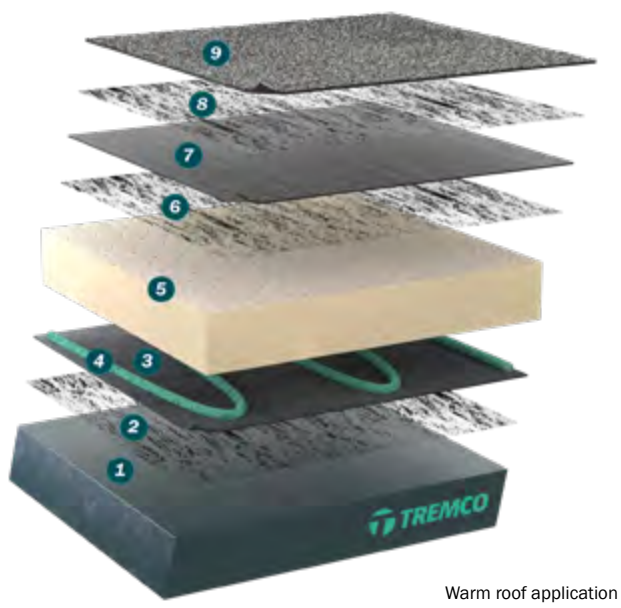
### Suitability

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



### System Features

- High-performance integrated system
- Time-tested
- Flame-free installation
- Full roof or detailing system solution
- System durability in excess of 30 years\*\*
- Cold and warm roof applications available
- Compliant offering to the NFRC's Safe2Torch initiative



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.

**Green roofs**  
Green roof and roof garden accredited with the inclusion of a root barrier.

**Carbon footprint commitment**  
Manufacturing process in accordance with ISO 14064-1:2018 (Greenhouse gases Part 1).

**Warranty**  
Once the system is installed and checked by our team, the building owner will acquire a warranty of up to 25 years\*.

NUMBER	PRODUCT TITLE	WEIGHT
1	Prepared Substrate	N/A
2	TremStik Spray Primer	Nominal
3	POWERply AVCL SA	3.7kg/m <sup>2</sup>
4	TremStik PU Adhesive	Nominal
5	TremTherm Insulation	4.48kg/m <sup>2</sup> (140mm PIR)***
6	TremStik Spray-on Primer	Nominal
7	POWERply Underlay SA	3.7kg/m <sup>2</sup>
8	TremStik Spray Primer	Nominal
9	POWERply Capping SA	6kg/m <sup>2</sup>

\*Warranties of up to 25 years are available depending on build-up components.  
\*\*System durability currently under assessment via the BBA.  
\*\*\*Data represents a typical build-up specification compliant to Part L Regulations.

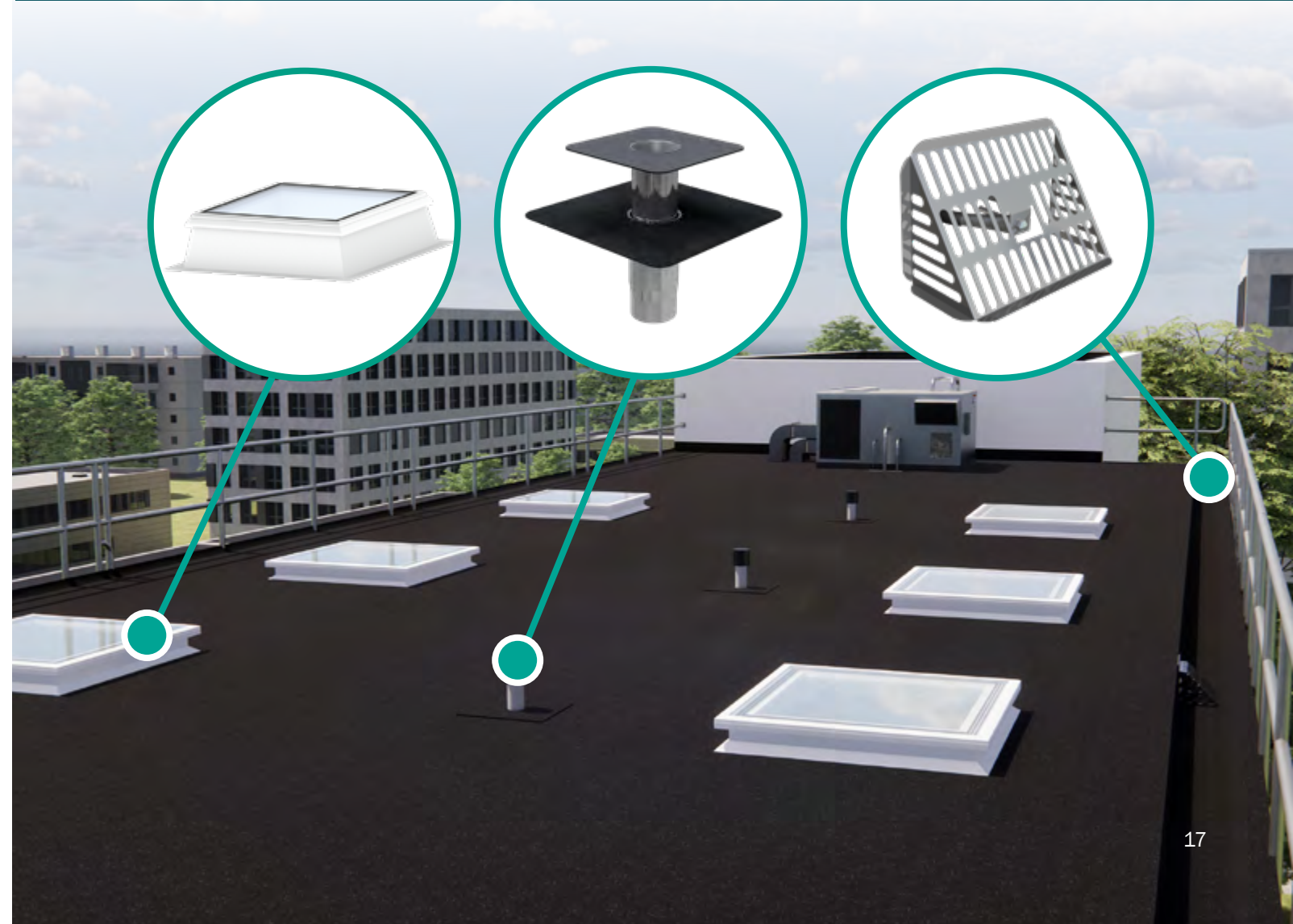


# Flat roof system accessories

To strengthen our offering, we partner with specialist manufacturers that produce flat roof accessories to make certain we are a one stop shop for the whole flat roof estate.

Just like installing the flat roof system, the accompanying products can also affect the integrity of the waterproofing. That is why we specify and supply accessories for both new build projects and refurbishment. Our Approved Contractors then install, making us a single point of responsibility.

Our accessories range have been specifically chosen to work seamlessly with our flat roof systems for a wide range of application requirements. This includes everything from rooflights to leaf guards and outlets.





**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



COLLABORATION



HONESTY &  
INTEGRITY



RESPECT



ENGAGEMENT



SUSTAINABLE  
DEVELOPMENT

## 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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