



# Flat roofing solutions

for the built environment





**Tremco (a brand of CPG UK) is a leading manufacturer of waterproofing solutions. We have over 70 years of experience within the UK construction industry. It is our aim at Tremco to provide clients with solutions suitable for new build and refurbishment projects across both public and private sector buildings, with the view to ensure that buildings are watertight, compliant, and future-proofed.**

## Who we are

### Flat roof systems

The construction industry is faced with ever-more exacting requirements, and longevity is essential for every application. Tremco offers an extensive range of cold-applied liquid and RBM systems to provide a long-lasting and highly efficient waterproofing solution for cold, warm, and inverted roofs.

### Independently certified

Our flat roofing systems have undergone third-party testing by the British Board of Agrément (BBA) including fire tests. This gives assurance to all supply chain stakeholders that our systems, once installed, are in line with the most current building standards – giving full peace of mind.

### Digital Construction

We are advocates of the digitalisation of construction to help improve the safety and sustainability of our built environment. We have flat roof systems available on NBS Chorus to support with specifications.

### Conscious manufacturing

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

Our systems encompass a range of sustainable credentials, such as complying above and beyond to energy efficiency standards and composing of naturally-derived products.

## Who we work with

### Building Owners and Facility/ Estates/Asset Managers

We are a single source solution, taking 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 a single point with over 70 years of experience in UK construction.

### Contractors

As an external arm of the business we make certain that we provide our approved network of contractors with the leading 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.

### Project specifiers

We provide tailored solutions to meet project requirements, supported with technical assistance from early design stage through to pre-start meetings. We highly recommend involving us at early design stage, especially when sustainable roof components such as solar PV is being considered. As part of our service commitment, we carry out regular site inspections to ensure the roof installation is being carried out safely and compliantly.

### Other supply chain stakeholders

The importance of collaboration from the initial project proposal to installation and project completion is essential. This ensures the project runs smoothly, from a cost, safety, and time perspective. We provide customer service support throughout which includes the allocation of a dedicated Sales and Technical Manager for each project.

## Sectors we work in

**Housing**

**Education**

**Healthcare**

**Government  
Buildings**

**Retail**

**Leisure**

**Commercial**

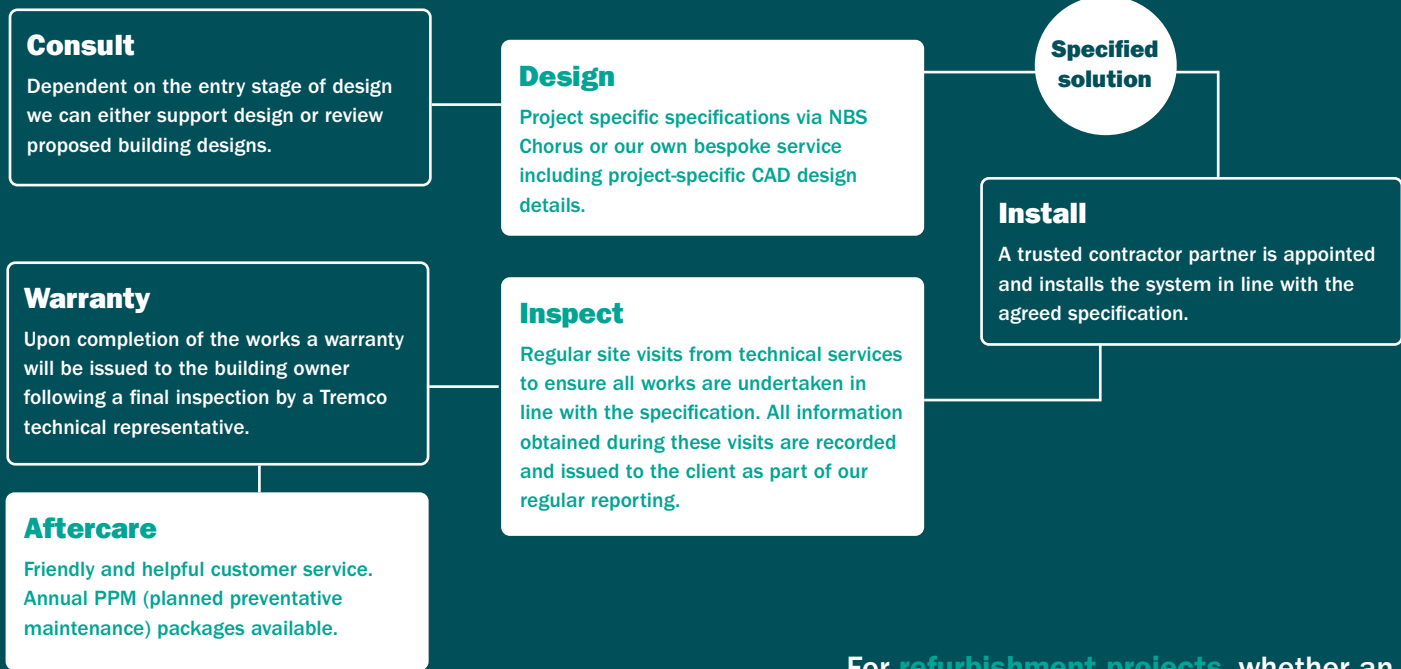
**Industrial**



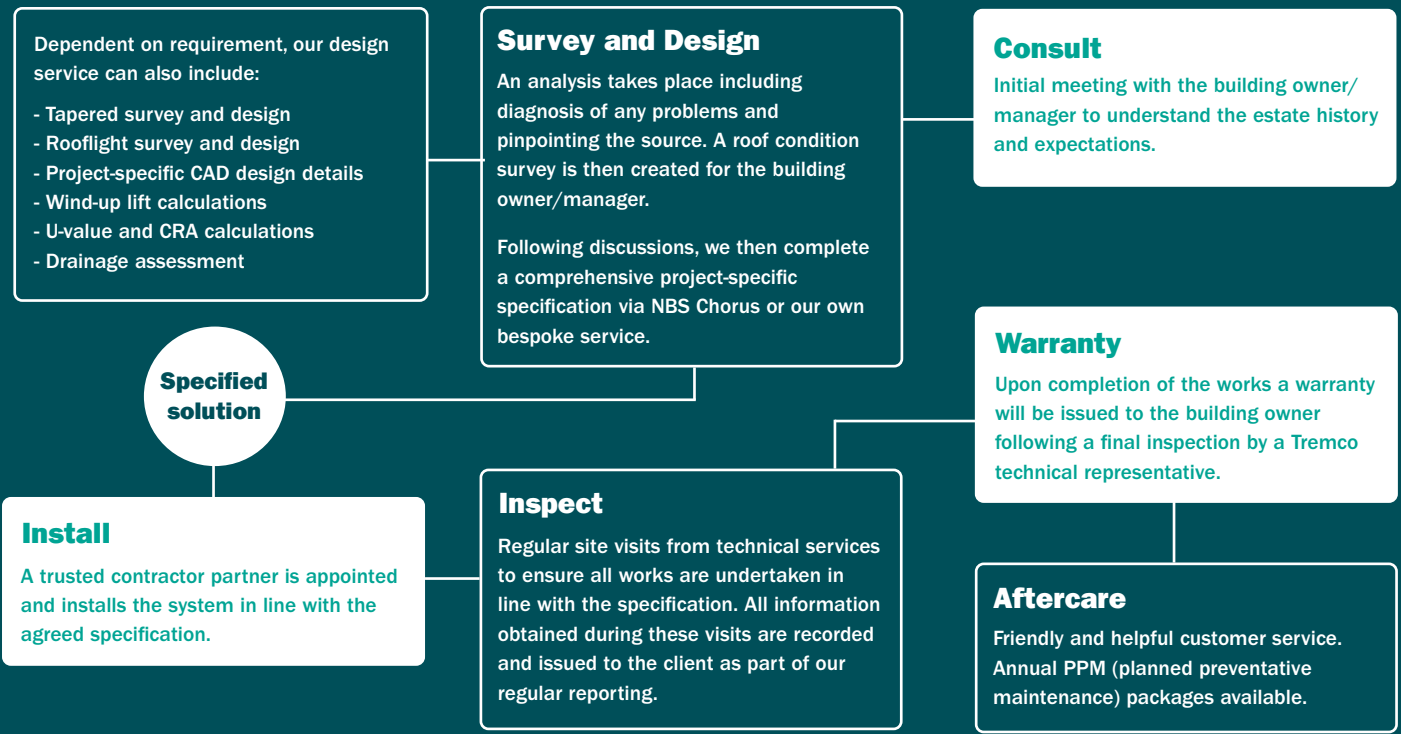


# Single source solution

For **new build**, we:



For **refurbishment projects**, whether an overlay or a full roof replacement we:



# Our systems

## Liquid Solutions

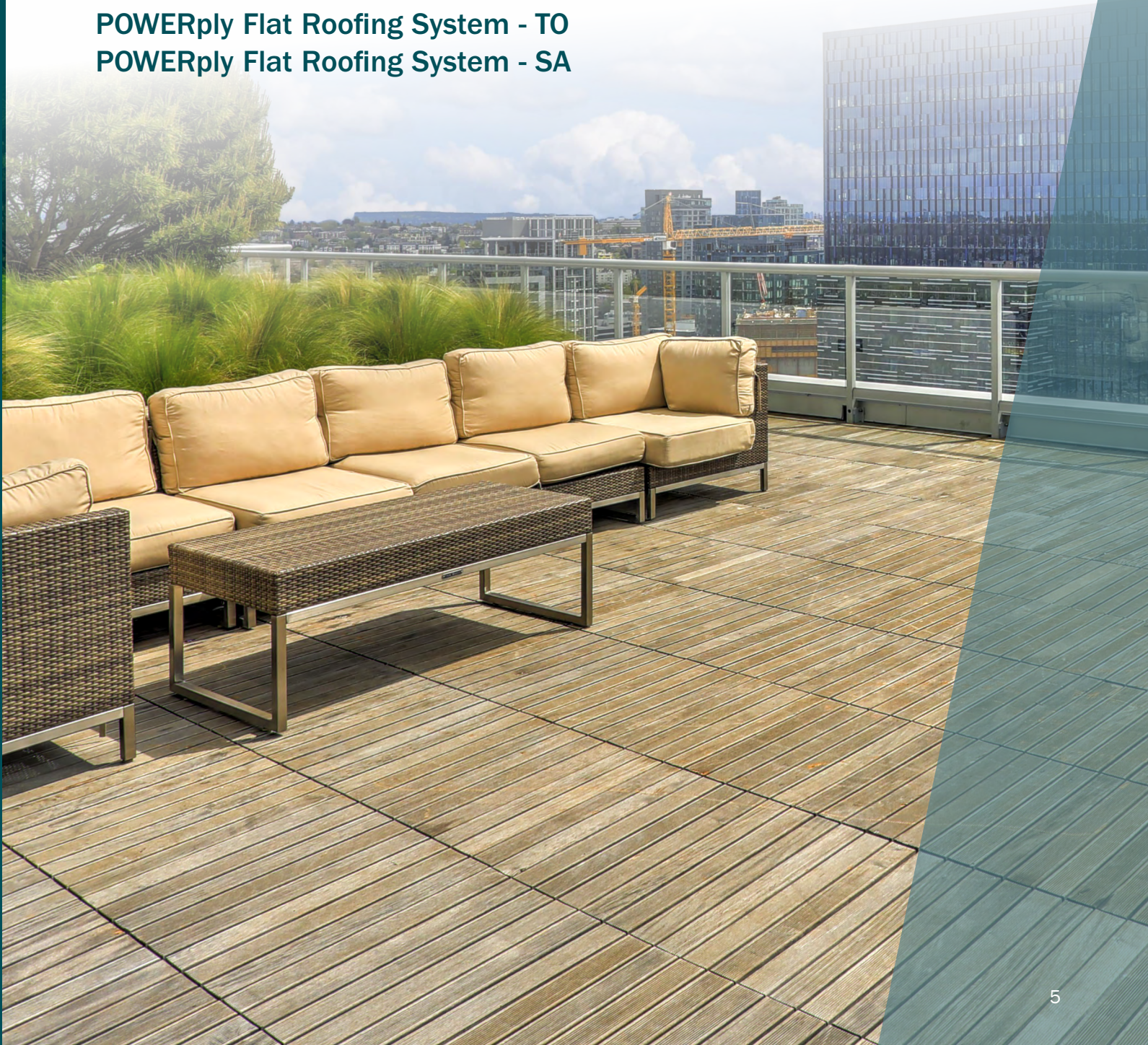
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- AlphaGuard BIO 20 Flat Roofing System
- AlphaGuard BIO 25 Flat Roofing System
- AlphaGuard PUMA Flat Roofing System

## RBM Solutions

10 - 12

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





# Liquid Solutions

Tremco's range of liquid-applied roofing systems can be used as the foundation for roof gardens 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 roofing 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.

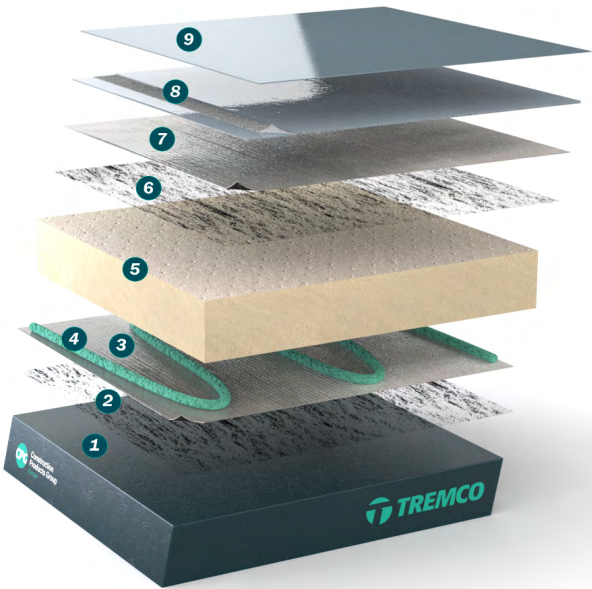
The system can waterproof over existing flat roof build-ups and structural roof decks. It can also be used as a full system build up for either roof replacement or new build construction projects.

### 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**  
AlphaGuard BIO 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/m²
4	TremStik PU Adhesive	Nominal
5	TremTherm Insulation	4.48kg/m² (140mm PIR)***
6	TremStik Spray-on Primer	Nominal
7	TremVap Carrier Membrane	0.65kg/m²
8	AlphaGuard BIO Base Coat with AlphaGuard BIO 225g Reinforcement	1.83kg/m²
9	AlphaGuard BIO Top Coat	0.8kg/m²

\*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 roofing 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.

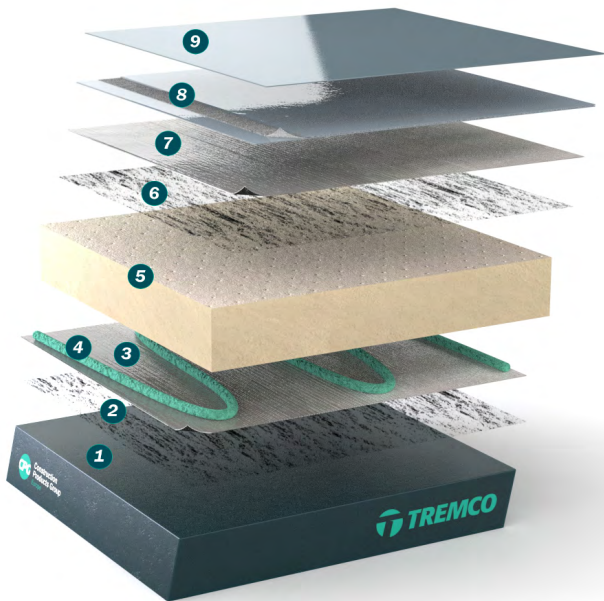
Suitability

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**  
AlphaGuard BIO 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/m²
4	TremStik PU Adhesive	Nominal
5	TremTherm Insulation	4.48kg/m² (140mm PIR)***
6	TremStik Spray-on Primer	Nominal
7	TremVap Carrier Membrane	0.65kg/m²
8	AlphaGuard BIO Base Coat with AlphaGuard BIO 225g Reinforcement	1.83kg/m²
9	AlphaGuard BIO Top Coat	1.2kg/m²

\*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 L Regulations.



# AlphaGuard PUMA

Liquid applied flat roofing 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.

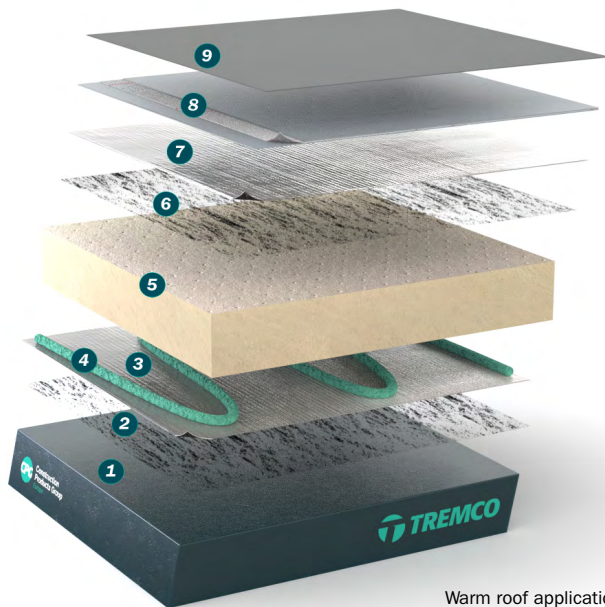
Suitability

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 temperature range of - 0°C to + 30°C
- 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**  
AlphaGuard PUMA is 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/m²
4	TremStik PU Adhesive	Nominal
5	TremTherm Insulation	4.48kg/m² (140mm PIR)**
6	TremStik Spray Primer	Nominal
7	TremVap Carrier Membrane	0.65kg/m²
8	AlphaGuard PUMA WP with AlphaGuard PUMA 165g Reinforcement Fabric	2.97kg/m²
9	AlphaGuard PUMA Coloured Top Coat	0.3-0.5kg/m²

\*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.





# 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 roofing 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.

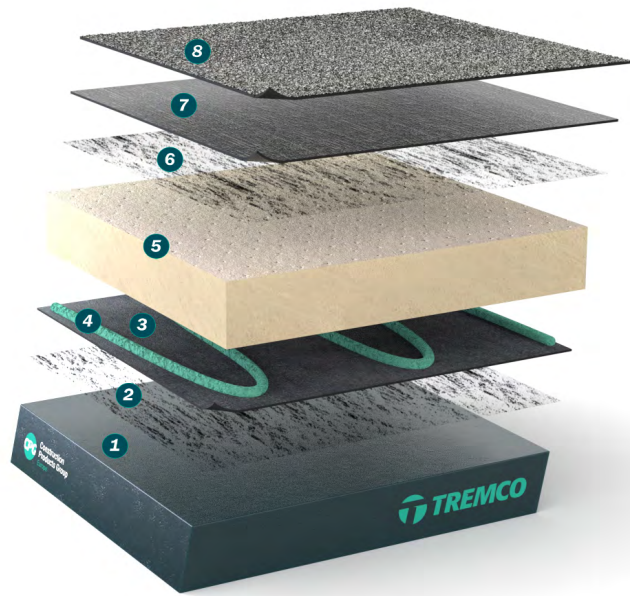
The system can waterproof over existing flat roof build-ups and structural roof decks. It can also be used as a full system build up for roof replacement and new build construction projects.

### 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 -35°C and resistance to elevated temperatures 140°C
- 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**  
POWERply is 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 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.

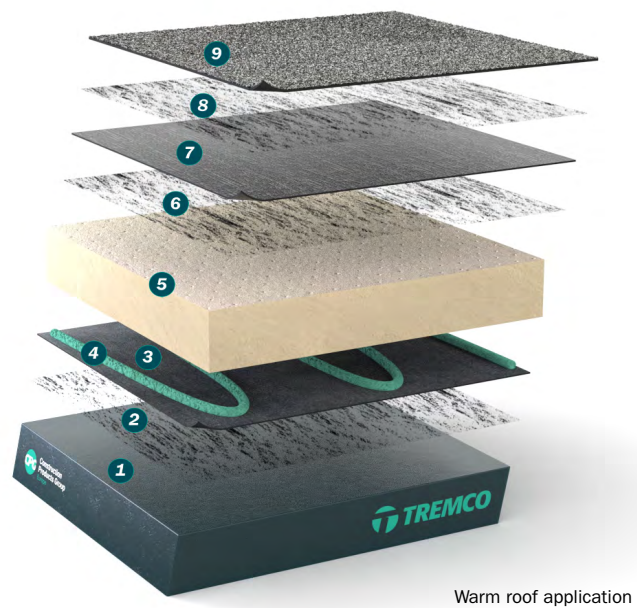
**Suitability**

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**  
POWERply is 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.

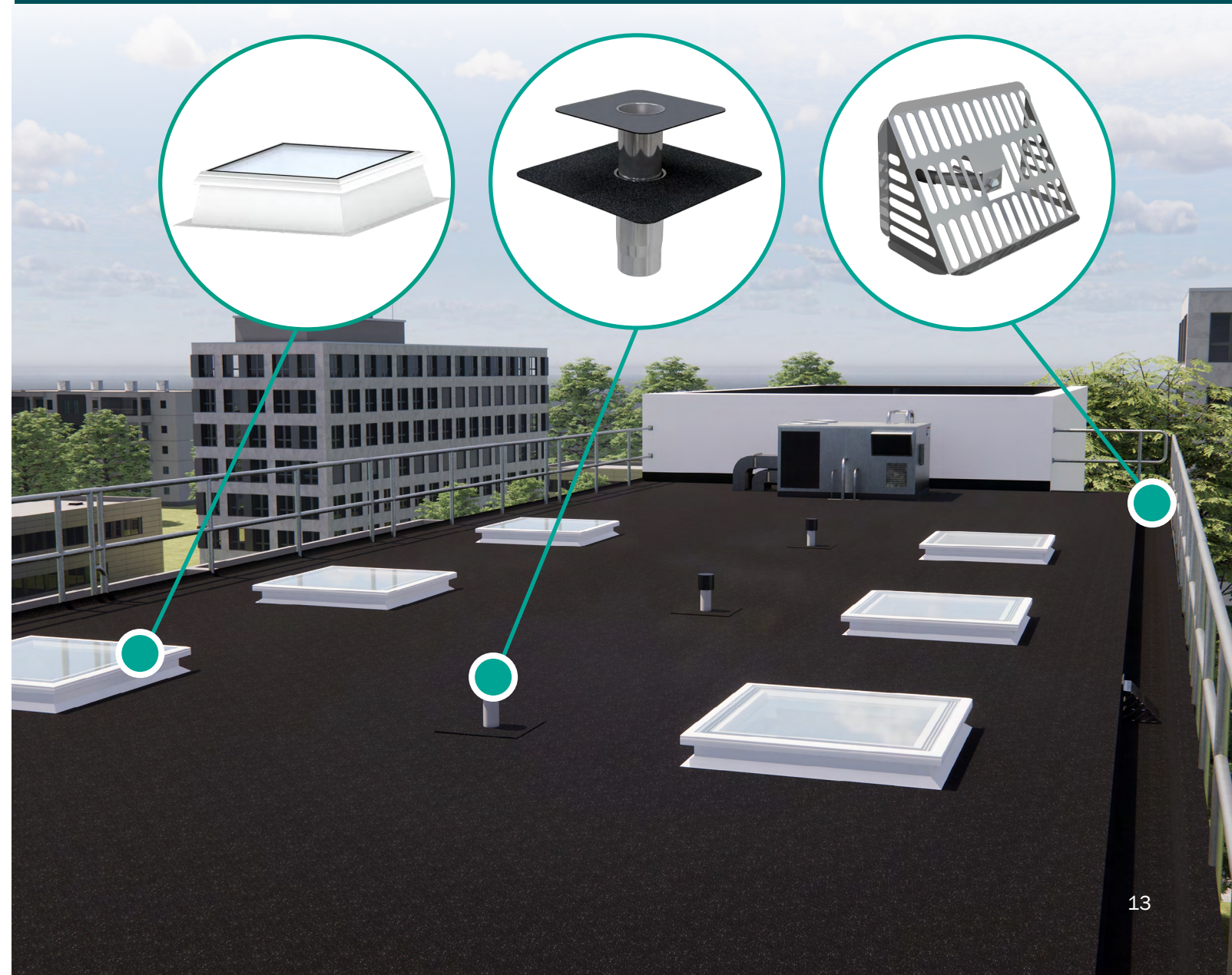


# Flat roof system accessories

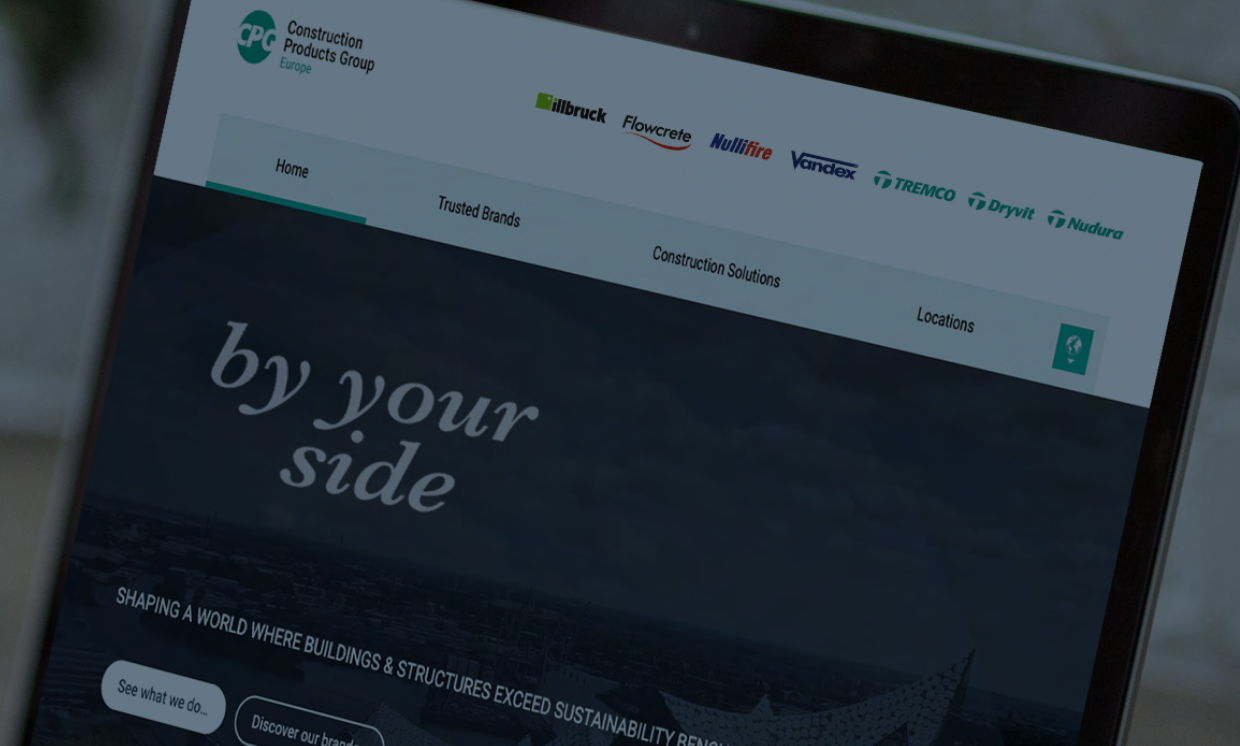
To strengthen our offering, we partner with specialist manufacturers that produce flat roof accessories to make certain we are a one stop shop for the whole flat roof estate.

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.







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 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.

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

Europe's leading construction products brands...

## Our Values



COLLABORATION



HONESTY &  
INTEGRITY



RESPECT



ENGAGEMENT



SUSTAINABLE  
DEVELOPMENT

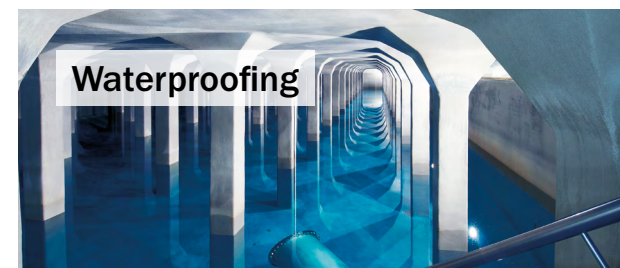
## Delivering World-Class Construction Product Solutions.

The product brands housed within 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.



### Passive fire protection

Intumescent Coatings,  
Fire Stopping



### Waterproofing

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



### Sealing, bonding & insulation

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



### Flooring

Seamless Resin Flooring, Subfloor Preparation,  
Car Parking Structures



### Roofing

Liquid Applied Systems, RBM Systems,  
Vegetated Roofing





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

+44 (0) 1942 251400  
[roofing\\_uk@cpg-europe.com](mailto:roofing_uk@cpg-europe.com)  
[www.tremco-europe.com](http://www.tremco-europe.com)