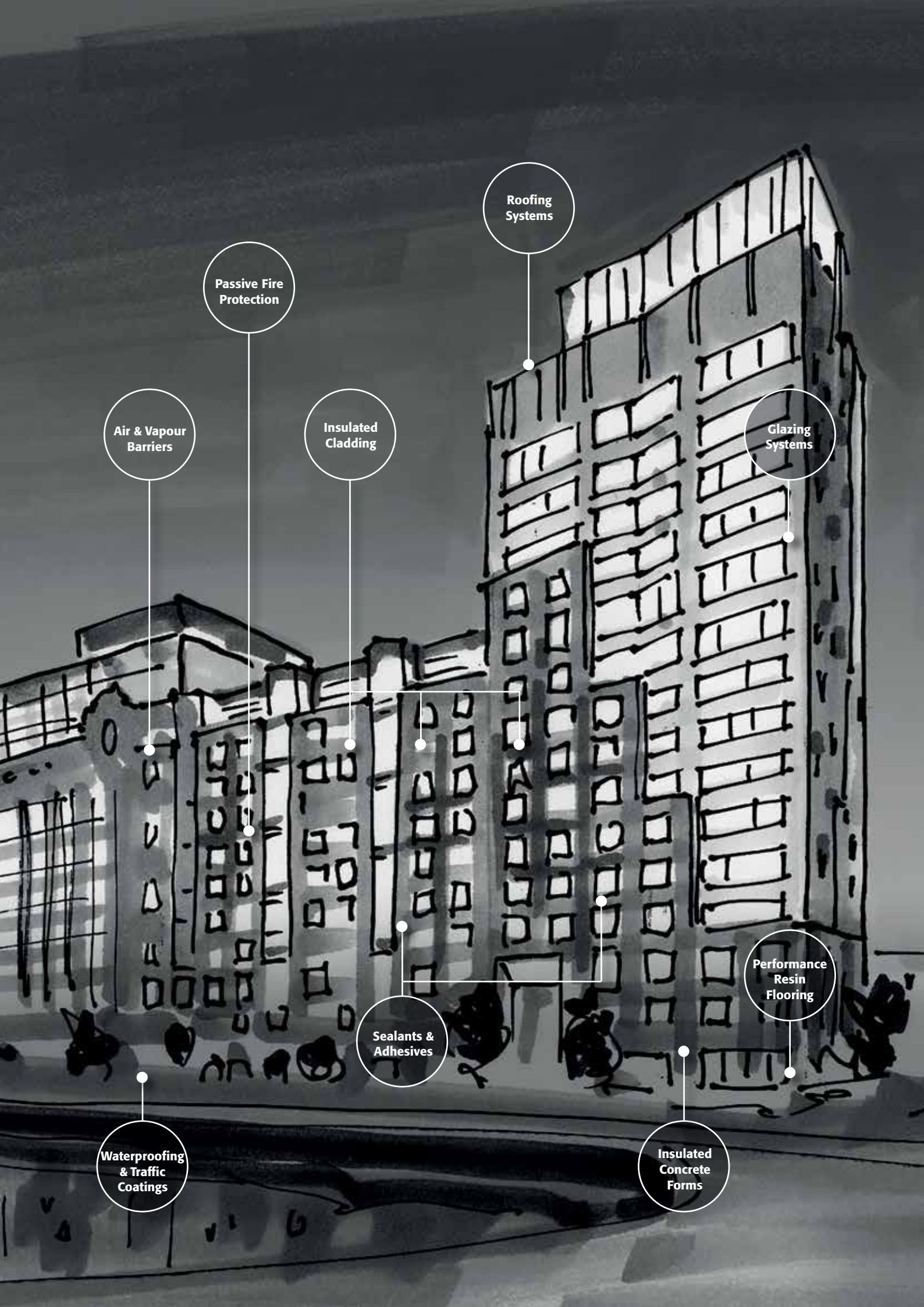




TPO WATERPROOFING AND ROOFING SOLUTIONS

TREMguard LLM membrane / TREMguard FBM membrane



Roofing Systems

Passive Fire Protection

Air & Vapour Barriers

Insulated Cladding

Glazing Systems

Performance Resin Flooring

Sealants & Adhesives

Waterproofing & Traffic Coatings

Insulated Concrete Forms

A world leading supplier of building envelope solutions across Asia Pacific

We know that the success of a construction project relies on more than the products that are used, as it takes a lot of skill, knowledge, understanding, and expertise to ensure that those products are applied in the best way possible.

At Tremco Construction Products Group (CPG), we're committed to shaping the future through innovative approaches and sustainable solutions.

This commitment is backed up by the fact that we bring together first-class technology with a customer-focused approach, along with skills that have been built up over multiple decades within very specialised fields across Asia Pacific, to provide a truly unique service.

From joint sealing, façade bonding and insulation through to passive fire protection, performance resin flooring, waterproofing, and roofing solutions – our broad range makes us the ideal partner to solve the complex challenges faced by today's architects, contractors, developers, and trades.

With expertise in a range of product technologies, Tremco CPG provides solutions to help you engineer structures that are more efficient to build and maintain, are virtually impervious to the elements, and can provide a multitude of finishes.

Our brands include Tremco, Dryvit, NewBrick, Nudura, Willseal, Flowcrete, illbruck, Nullifire, Vandex, and Euclid Chemical. Pitchmastic PmB, Nufins, Matacryn, PDS, Prime Resins, and USL products are also marketed by Tremco CPG in Asia Pacific.



Why Tremco CPG?



Faster Construction Time

Lightweight, fast-curing and prefabricated products mean less occupant disruption, faster return to service, less revenue lost, and no call-backs.



Stronger and More Resilient

Our systems are designed for maximum durability, many with service lives far surpassing that of competing systems.



Cost Effective

A broad range of options that fit any budget – but also help you keep an eye on the future to ensure cost-effective ownership, operation and maintenance.



One Point of Contact

Products are tested for compatibility and backed by system warranties – all through a single point of contact, with a single point of responsibility.



Any Look You Want

A wide range of colours and finishes for floors, walls, façades and roofs to provide almost unlimited design potential for your building project.



Impervious to Weather

Products designed for maximum protection from the elements, including above and below ground-level solutions to prevent the ingress of water.



Better Insulated

Industry leading brands that provide solutions for more efficient building construction and operation, and exceeding strict energy codes for insulation.



Leading Edge Sustainability

Construction solutions that meet green building standards, enhancing building efficiency and conscious of the environment that surrounds us.



THERMOPLASTIC POLYOLEFIN (TPO) ROOFING SOLUTIONS



Thermoplastic Polyolefin (TPO) roofing solutions have gained significant popularity in the construction industry as a reliable and efficient option for commercial and residential buildings. It combines the benefits of EPDM (ethylene propylene diene terpolymer) and PVC (polyvinyl chloride) roofing systems to create a robust and versatile solution. With its numerous advantages and cost-effectiveness, TPO roofing has become a preferred choice for architects, contractors, and building owners seeking reliable and long-lasting roofing solutions.

Reliable Membrane For New Construction Or Re-Roofing Projects

The Tremco Roofing TPO membrane has been widely used for both new construction and re-roofing on such buildings as manufacturing plants, distribution warehouses, office buildings, shopping malls, schools, and hospitals. Due to its excellent versatility and strong weathering capabilities, it can also be used in more extreme applications such as automotive assembly plants, data center and airports. Additionally, TPO's advanced reflectivity properties also help to keep buildings cool and increase energy efficiency.

Tremco CPG has two options ensure that we can cover virtually any roof, no matter how complex - the **TREMguard LLM (Smooth Back)** membrane and **TREMguard FBM (Fleece Backed)** membrane. The durable, flexible Tremco roofing TPO membranes are excellent choices for roofs that have numerous structures and penetrations, and also vegetated roofing systems, both for waterproofing and as a root barrier.



TREMguard LLM

TREMguard LLM Thermoplastic Polyolefin (TPO) Waterproof Membrane is a flexible waterproof sheet. Using the latest manufacturing technology and processing techniques, the membrane uses TPO material as the base material, which combines both the durability of ethylene propylene rubber and the weldability of polypropylene.

Features & Benefits

- Excellent durability, tear, and puncture resistance.
- Weather resistance.
- Excellent long-term flexibility.
- Embedded polyester mesh fabric for high tensile strength, fatigue resistance, and puncture resistance
- Suitable for Mechanically Attached, Induction Welded, Adhered and Ballasted system.
- Excellent high and low-temperature resistance.
- Excellent chemical resistance to acids, bases, and building vent exhaust emissions.
- White colour and the smooth surface deliver high solar reflectivity and reduced dirt pick up.
- Excellent dimensional stability.
- Heat welding yields tightly bonded, fully sealed seams.



Thickness	Dimension
1.2mm	2m x 25m
1.5mm	2m x 25m
1.8mm	2m x 25m
2.0mm	2m x 20m



TREMguard FBM

The TREMguard FBM Thermoplastic Polyolefin (TPO) Waterproof Membrane with its fleece backing, was specially designed for fully adhered applications. The TREMguard FBM is the right choice when you have a concrete roof deck or challenging curves and slopes. Using the latest manufacturing technology and processing techniques, the membrane uses TPO material as the base material, which combines both the durability of ethylene propylene rubber and the weldability of polypropylene.

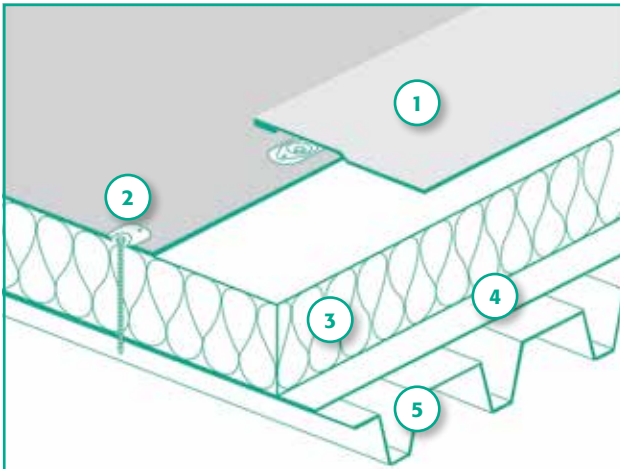
Features & Benefits

- Excellent durability, tear, and puncture resistance.
- Weather resistance.
- Excellent long-term flexibility.
- Fleece backing facilitates adhesive bonding to the substrate.
- Excellent high and low-temperature resistance.
- Excellent chemical resistance to acids, bases, and building vent exhaust emissions.
- White colour and the smooth surface deliver high solar reflectivity and reduced dirt pick up.
- Excellent dimensional stability.
- Heat welding yields tightly bonded, fully sealed seams.



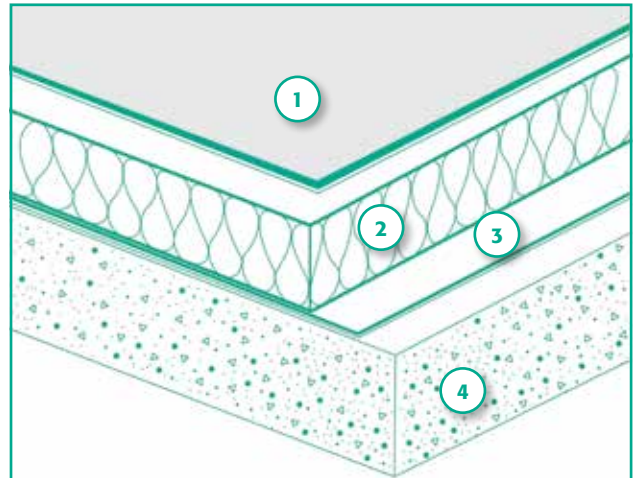
Thickness	Dimension
1.2mm	2m x 25m
1.5mm	2m x 25m
1.8mm	2m x 25m
2.0mm	2m x 20m

TREMguard TPO System Options



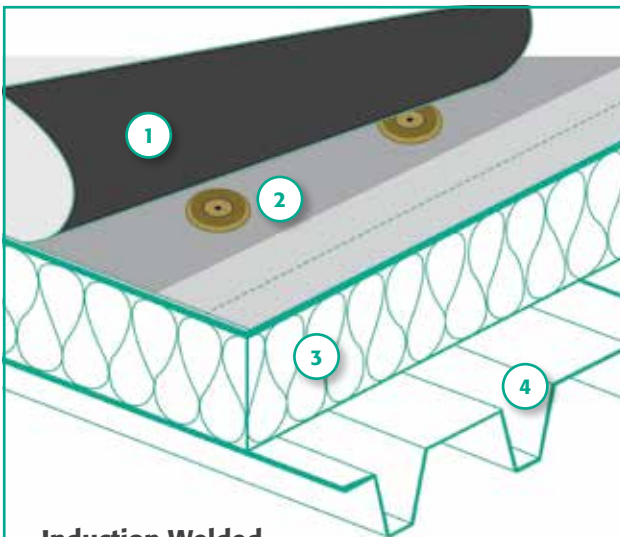
Mechanically Fastened

1. TREMguard LLM
2. Fastening system
3. Thermal insulation
4. Vapour control layer
5. Roof deck



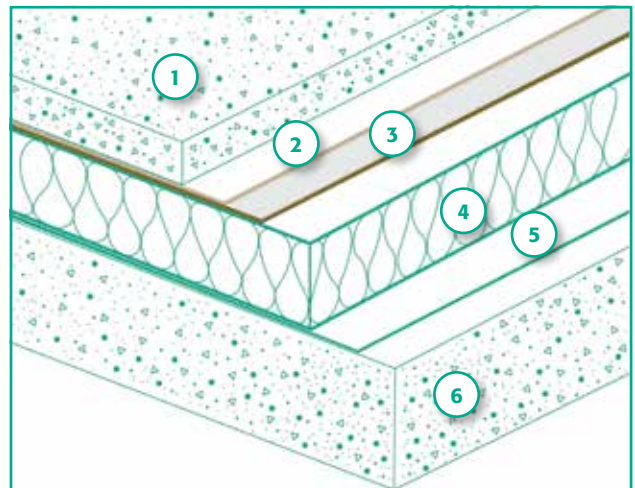
Adhered

1. TREMguard LLM/ TREMguard FBM fully adhered
2. Thermal insulation, adhered or mechanically fastened
3. Vapour control layer adhered or loosely laid
4. Roof deck



Induction Welded

1. TREMguard LLM
2. Induction welded fastening system
3. Thermal insulation
4. Roof deck



Ballasted

1. Paving slabs/ concrete
2. Protection and slip layer
3. TREMguard LLM
4. Thermal insulation
5. Vapour control layer
6. Roof deck

TREMguard TPO Accessories

The TREMguard TPO product line also features innovative TPO accessories designed to help save time, material, and labour expenses. The prefabricated accessories are easy to install, help reduce wasted material, and eliminate the need to design a workaround for drains, flashing strips, corners, etc.



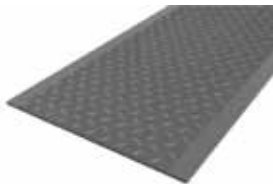
Roof Console



Lightning Cable Support



Cable Penetration



Walkway



Vertical Overflow Outlet



Horizontal Overflow Outlet



Fastener for Concrete Substrate



Fastener for Metal Substrate



Insulation Stress Plate



Membrane Stress Plate



Masonry Anchor
(For Lip Bar)



Rhinobond Plate
(Only for Rhinobond system)



Lip Bar
(Membrane Termination)



U Bar/Channel Bar
For Membrane termination



Seam Cleaner (Xylene)

Whether you choose the TREMguard LLM or TREMguard FBM, you'll enjoy benefits like exceptional weatherproofing, a more sustainable facility, potentially lower energy use, expert installation, and an excellent warranty.

Tremco Construction Products Group (CPG) represents the combined power of brands including Dryvit, Nudura, Willseal, and Tremco, along with Tremco CPG affiliates Flowcrete, illbruck, Nullifire, Vandex, Euclid Chemical, and USL brands.

Our products and services empower teams to develop, design, restore and engineer structures that are more efficient to build and maintain, are virtually impervious to the elements and can provide any look desired.

www.tremcocpg-asiapacific.com

