TPA SINGLE PLY SYSTEMS

RELIABLE & PROVEN MEMBRANE FOR NEW CONSTRUCTION OR RE-ROOFING PROJECTS

TREMCO

Roofing & Building Maintenance

Since 2000, the Tremco Roofing TPA 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, as well as on extreme applications such as restaurants, automotive assembly plants and airports.

Two options are available to ensure that we can cover virtually any roof, no matter how complex: the white, reflective Tremco Roofing TPA and Tremco Roofing TPA FB (Fleecebacked) membranes. The durable, flexible Tremco Roofing TPA membrane is an excellent choice for roofs that have numerous structures and penetrations. With its polyester fleece backing, the TPA FB membrane is the right choice when you have a concrete roof deck or challenging curves and slopes.

Whether you choose the Tremco Roofing TPA or Tremco Roofing TPA FB membrane, you'll enjoy benefits like exceptional weatherproofing, a more sustainable facility, potentially lower energy use, expert installation and an excellent warranty.

TPA

Mechanically Fastened, Ballasted, or Fully Adhered Membrane

From its ease of application to outstanding performance and long-term savings, our TPA single ply membrane satisfies customers while meeting or beating their ROI expectations.

Installation is simple and efficient, due to a wider membrane and fewer seams. The hot air welded seams are easy to adhere and foolproof, forming a fused bond along the overlapping rolls as strong as the TPA material itself. Remarkably pliable, the membrane is easy to trim and shape, a time-saver when pipes, structures, ducts, or air conditioners break up your roof.

Because TPA is so tough, with its high-tenacity, non-wicking polyester reinforcing scrim, you can choose the thickness you need and save money on material; a reliable, patented, aramid fiber reinforced edge adds superior strength.

As for performance, its PVC with DuPont Elvaloy KEE-based compound sets the industry standard for every kind of resistance: tears, punctures, water, UV, oil, chemical, salt, and other pollutants and contaminants; the major code organizations have also fully approved our TPA system for fire resistance. The KEE reinforces the embedded, wick-resistant, industrial strength polyester scrim and provides years of problem-free service under normal conditions.

TPA Technical Data

Suitability: Almost any commercial roofing application -- sloped, curved or flat

Composition: A tri-polymer alloy based on DuPont™ Elvaloy® KEE

Reinforcement: Wick-resistant polyester scrim

Properties:

Standard width	Extra Wide width	
78"W x 108'L	120"W x 100'	for 45 mil
78"W x 90'L	120"W x 100'	for 60 mil
78"W x 75'L	120"W x 75'	for 80 mil

Application:
TPA can be fully adhered, mechanically fastened or ballasted.

TPA FB

Fleecebacked Reinforced, Fully Adhered Membrane

The Tremco Roofing TPA FB system, with its polyester fleece backing, was specially designed for fully adhered applications. It is particularly cost effective on concrete roof decks and roofs with unusual curves and slopes, providing a weathertight roof that will last for years.

Using the same DuPont Elvaloy KEE-based compound as Tremco Roofing's TPA membrane, TPA FB shields the building from weather, pollutants, UV rays, salt, air exhaust and ozone. The fleece backing, added to the membrane's integral polyester reinforcing, means a double reinforcement, with more strength and more protection than competing non-fleecebacked adhered systems. This membrane is a sustainable option that is less labor intensive when applied direct to concrete, and offers excellent wind and hail resistance.

The TPA FB membrane can be adhered using either asphalt or Tremco Roofing's adhesives. Contractors who also apply built-up roofs find the Tremco TPA FB system an excellent option because it uses the same hot asphalt equipment and expertise as built-up roofs.

TPA FB Technical Data

Suitability:
Concrete decks, odd shaped or sloped roofs as well as steel and wood

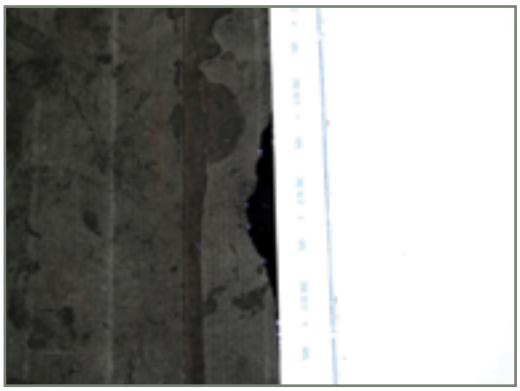
Composition:
A tri-polymer alloy based on DuPont™ Elvaloy® KEE

Reinforcement:
Wick-resistant polyester scrim with a specially designed fleece backing

Properties:

Standard width:
76'W x 90'L for 45 mil
76'W x 90'L for 60 mil
76'W x 75'L for 80 mil

Application:
Fully-adhered using various Tremco adhesives, Thermastic 80 or standard Type III Asphalt

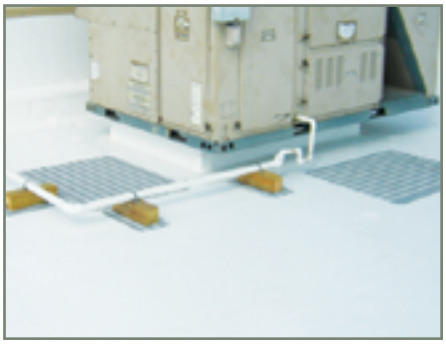


TPA Walkpad

Two options:

Grey 80 mil thickness or

Safety Yellow 156 mil thickness



These walkpads are designed for use with Tremco Roofing TPA systems to provide protection around rooftop equipment. They are a polyester reinforced, thermo-plastic membrane engineered to provide a defined, slip-resistant, traffic-bearing walking surface. The low profile TPA walkpad is mold, mildew and chemical resistant and is easy to clean.

Benefits Comparison

FROM A CONTRACTOR'S VIEWPOINT:

- Wide rolls mean fewer seams, which means lower labor costs
- Hot air welded seams are fully fused, no adhesives to fail
- Compatible with asphalt
- Non-curing Elvaloy®-based compound means you can re-cut and repair the membrane indefinitely

FROM A SUSTAINABLE VIEWPOINT:

- TPA has a minimum 25% recycled content
- Light-reflective roofing based on Elvaloy KEE can be part of a community's effort to reduce ambient heat buildup

FROM A BUILDING OWNER'S VIEWPOINT:

- White reflective surface* can help lower energy use
- Elvaloy-based compound resists water, contaminants and pollutants
- Lightweight, with a building load of two to four pounds per square yard
- Excellent wind uplift resistance due to film strength PVC combined with single layer adherence
- Easy to maintain
- Decades long flexibility for easy future tie-ins and repairs

* custom colors grey & tan available on request

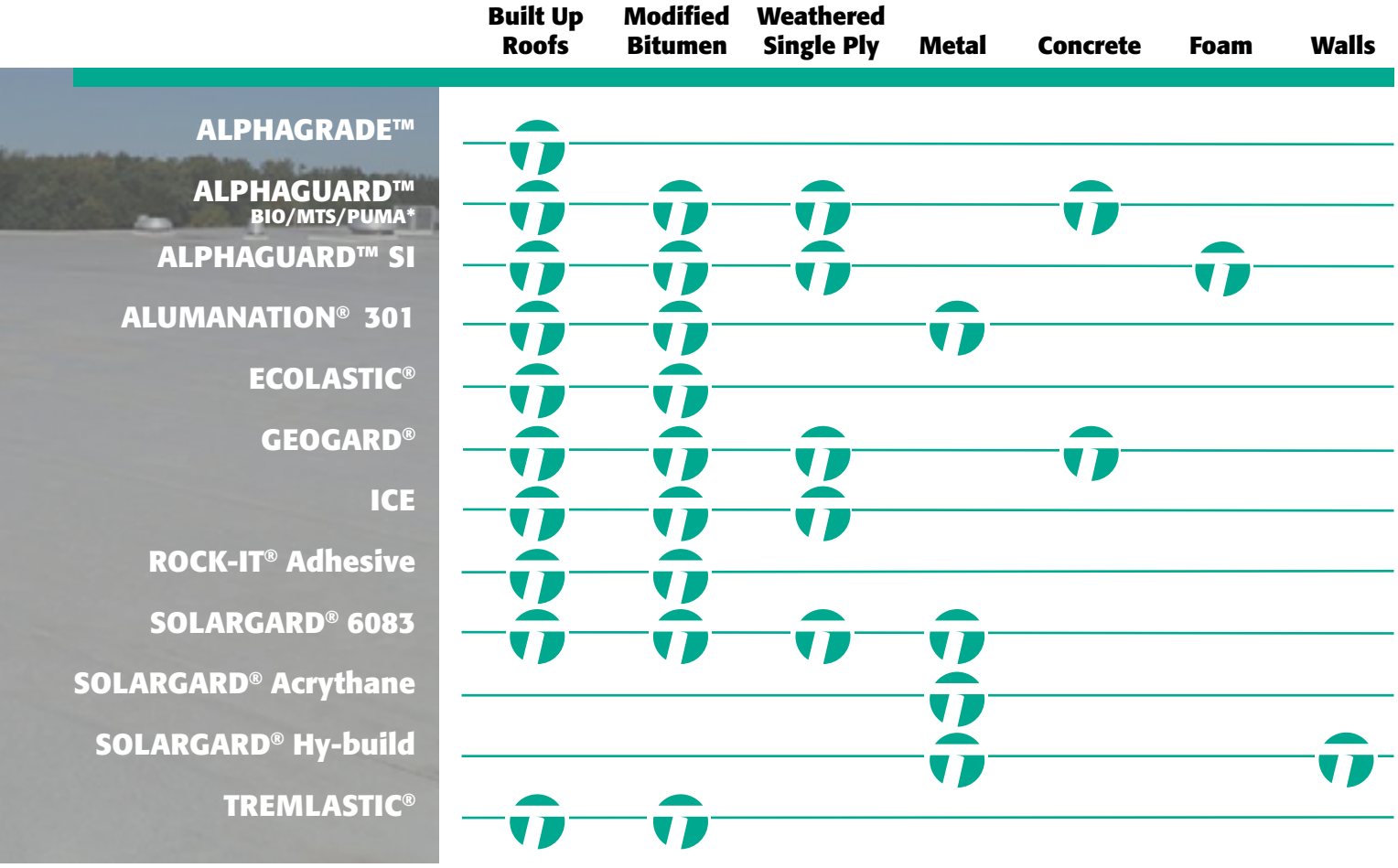
Whether it's a small office building, a stadium full of 25,000-plus screaming fans or anything in between, Tremco's TPA single ply systems help keep people and facilities dry.

Tremco TPA Membranes Support Sustainability

Tremco Roofing membranes help meet sustainability goals because:

- They prolong the service life of structures for years
- Facilities are more comfortable because the white membranes absorb less heat
- Reflectivity reduces energy consumption and the strain on HVAC systems, while diminishing a building's carbon footprint
- The Urban Heat Index is lowered, cooling the air to help benefit everyone
- 25% pre-consumer recycled content leads to a more sustainable building

THE RIGHT RESTORATION PRODUCT TO GET THE JOB DONE RIGHT.



*Modified Polyurethane/Methyl Methacrylate

Find your nearest Tremco Roofing sales representative at tremcoroofing.com/find-a-rep

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Roofing & Building Maintenance

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