

TPA Flashing Membrane

A Thermoplastic Tri-Polymer Alloy Flashing Membrane for Single Ply, BUR, and MB Roof Systems

FEATURES

Durable Material
Heat Welded Vertical Overlaps
Polyester reinforced
Elastomeric Ply

BENEFITS

- Resistant to variety of chemical and environment conditions
- Vertical stripping not required
- Superior tensile and tear resistance for high stress applications
- Suitable for use as a 1 ply flashing system

DESCRIPTION

TPA Flashing Membrane is a white Thermoplastic flashing membrane comprised of an elastomeric tri-polymer alloy based on Elvaloy and blended with CPE and PVC. TPA Flashing Membrane is reinforced with a high strength, water wick resistant polyester fabric. TPA Flashing Membrane is asbestos free and exceeds the performance requirements of ASTM D 4434-04, Type IV.

BASIC USES

TPA Flashing Membrane is suitable for use as a reinforced flashing membrane with built up, modified bitumen, and single ply roof systems. TPA Flashing Membrane may also be used in conjunction with the Tremline Fascia System. Specific adhesives and application techniques are required for proper installation, as described in this data sheet. TPA Flashing Membrane is suitable for use in a 1 ply application on Tremco BUR, MB, and single ply systems, however, it may be combined with compatible ply sheets for multi-ply installations.

COLOR

White on the top; gray underside is not a weathering surface.

PACKAGING

TPA Flashing Membrane is available in 12", 24", and 30" x 50' rolls (305 mm, 610 mm, and 760 mm x 15.24 m rolls). TPA Field Membrane is also available in 6", 39" and 78" x 108' x 100' rolls (150 mm, 990 mm, and 1980 mm x 30.5 m rolls).

APPLICATION

The following application information is designed to serve as a general guide. Your local Tremco Representative will prepare detailed specifications based on the condition of your roof.

Surface Preparation: Remove all dirt, dust, and other loose debris from the roof. Spud back all embedded gravel.

Application as Roof Flashings for BUR & MB Systems:

1. Plan installation of TPA Flashing Membrane so flashing extends 6" (150 mm) from the base of the cant onto the roof system. All vertical overlaps must be 4" minimum (100 mm).
2. Remove embedded gravel, dirt, dust, deteriorated felts, and other loose debris from the roof. Spud back all embedded gravel from the area to receive the flashing and stripping. Area should be prepared down to a clean, sound, dry base.
3. Apply adhesive to prepared area. Trowel apply White Sheeting Bond in a uniform and continuous application 1.6 mm (1/16") thick to prepared flashing substrate. Allow Sheeting Bond to remain exposed for 15 minutes prior to installing TPA Flashing Membrane into this adhesive. Adjust open time depending on ambient conditions.
Alternately, TPA Bonding Adhesive LV may be used to adhere TPA Flashings to the wall and out onto the roof membrane. Apply adhesive to the back of the TPA Flashing and onto the substrate, in a contact cement application.
4. Adhere TPA Flashing Membrane in adhesive, using care to avoid wrinkles and voids. Use a steel hand roller to apply consistent pressure to achieve full adhesion of the membrane to the flashing substrate. TPA Flashing Membrane must fully conform to all angle changes, with no bridging or voids.
5. Overlap vertical flashing seams a minimum of 4" (100 mm). Heat weld vertical overlap

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APPLICATION

CONTINUED

seams, minimum width of 2" (50 mm). Prior to hot air heat welding, make sure lap interface materials are clean of dirt and moisture.

6. Seal inside and outside corners using Non- Reinforced TPA Membrane or TPA Inside/ Outside Corners applied by hot air heat welding.

7. Strip in base of TPA Flashing Membrane with a first course of Rock-It Adhesive followed by a stripping ply of BURmesh or SRC Polyester Reinforcing Fabric. Top dress these stripping courses with specified roof surfacing, such as the Rock-It Surfacing System, BURmastic Flood and Gravel, TremLastic SP, or ICE Coating.

8. No additional coatings are necessary for TPA Flashing Membrane. If a protective coating is required, special surface preparation may be necessary. Tremco SP Primer is required prior to application of ICE Coating, Tremlite Coating, and Polarcote FR. Allow TPA Flashing Membrane to be exposed to the elements for 30 days minimum prior to application of the SRC Coating System.

LIMITATIONS

- The gray underside of the TPA Flashing Membrane is not intended for use as the side exposed to weathering.
- TPA Flashing Membrane may discolor when applied over freshly applied asphalt mastics. Use adhesives described in this data sheet as recommended.
- Not for use with hot applied bituminous adhesives.
- Vertical overlap seams and inside/outside corners must be detailed with heat welded seams.
- Double Duty Aluminum LV is not recommended for use in combination with TPA Flashing Membrane.

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Thickness	0.045 in. (1.14 mm)	ASTM D 751-00
Tensile Strength	300 lbf (1330 N)	ASTM D 751-00
Elongation @ Fabric Break	25% MD / 25% XMD	ASTM D 751-00
Tear Strength	100 lbf (440 N)	ASTM D 751-00
Dimensional Stability @ 176°F	0.3% @ 6 hrs.	ASTM D 1204-94
Low temperature flexibility	-40°F (-40°C)	ASTM D 2136-94 (1998)
Reflectivity	85.78%	ASTM C 1549-02
Thermal Emittance	0.86	ASTM C 1371-98
SRI - Solar Reflective Index	108	ASTM E 1980-01

MAINTENANCE

Your local Tremco Roofing sales representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventative maintenance are all part of a sound roof program.

PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

TECHNICAL SUPPORT

Your local Tremco Roofing sales representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications.



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