

# TremLar® PTM

## Base Coat/Top Coat

### Pedestrian Traffic Membrane

**Composition:** Trem-Lar® PTM Base Coat is a high solids, cold fluid applied, moisture curing polyurethane based waterproofing membrane. Trem-Lar® PTM Top Coat is a high solids, single component, moisture curing flexible aliphatic polyurethane exterior finish coat. Trem-Lar PTM Top Coat protects the Base Coat from the effects of ultra-violet light, and provides a long-lasting durable surface. An aggregate must be added to achieve a safe, slip resistant surface.

**Basic Use:** Trem-Lar PTM is primarily designed to provide a waterproof coating for single course structural concrete slab construction and is adaptable to non-exposed applications. Some typical uses are:

- Interior & Exterior Pedestrian Walkways
- Pedestrian Roof Decks
- Canopies
- Balconies
- Mechanical Rooms

**Limitations:**

- Not designed for continuous water immersion such as pools or fountains.
- Do not apply over lightweight insulating concrete.
- Not for use on decks with vehicular traffic.
- All surfaces must be primed. Consult Trem-Lar® Epoxy Primer.
- Do not apply on concrete with a compressive strength less than 4,000 psi (27 600 kPa).
- Do not apply over sandwiched buried membrane decks.
- Do not apply over unvented metal pan concrete decks.
- For clarification, contact your local Tremco Representative.

**Temperature Limitations:** Do not apply to a floor or deck with a surface temperature of less than 50°F(10°C) or greater than 110°F(43°C).

Product Advantages	
Features	Benefits
Base coat and top coat exhibit high elongation, tear resistance, tensile strength and hardness	Maintains excellent waterproofing integrity
Top coat provides UV resistance and, in combination with aggregate, a safe, slip resistant surface	Membrane will perform under long exposure to the elements

**Grade:** Trem-Lar PTM Base Coat and Top Coat are both available in a self-leveling roller, squeegee or brush applied grade only.

**Packaging:** Tremco Trem-Lar PTM Base Coat is available in 5-gallon (19L) metal pails. The Trem-Lar PTM Top Coat is available in 5.0-gallon (19L) metal pails.

**Colors:** Trem-Lar PTM Base Coat - Gray  
Trem-Lar PTM Top Coat - Light Gray

**Preparation:**

**General Surface Preparation:**

- 1. Non-Moving Cracks Less Than 1/16" (1.6mm)** Must be coated with a detail coat of Trem-Lar Epoxy Primer, followed by a 30 mil (0.76 mm) coat of Trem-Lar PTM Base Coat. The primer must be allowed to cure tack-free before the base coat is applied.
- 2. Non-Moving Cracks Greater Than 1/16" (1.6 mm)** Must be routed out to at least 3/8" (9.5 mm) in width and 1/2" (13 mm) in depth. After all of the debris is removed, the joint is primed with Trem-Lar Epoxy Primer. After the primer has cured tack-free, the joint is backed with a closed cell backer rod and caulked with Decktite 235 GS. The surface of the caulk must be tooled flush with the plane of the deck. The caulk must be allowed to cure overnight. The sealed crack must be primed with Trem-Lar Epoxy Primer, and after it is cured tack-free, a 30 mil (0.76 mm) detail coat of Trem-Lar PTM Base Coat is applied.
- 3. Expansion Joints** All expansion joints must be left uncovered by the Trem-Lar PTM System. Terminate the coating at the edge of the expansion joint.
- 4. Protrusions In Surface of the Deck** All metal surfaces should be wire brushed to remove all paint and coatings down to bare metal. Tremco Primer No. 6 is applied to the cleaned metal surface up to a height of one inch above the concrete. Apply Tremco Primer No. 1 to the concrete, adjacent to the protrusion. Use TremSEAL HP to form a one inch cant along the base of the protrusion. Allow the TremSEAL HP to cure overnight. Apply Trem-Lar Epoxy Primer over all of the cant up to two inches (50 mm) above the surface and three inches (75 mm) out along the floor. Allow the primer to cure tack-free. Apply a single 30 mil (0.76 mm) detail coat of Trem-Lar PTM Base Coat two inches up the protrusion and out to three inches around the base of the protrusion.
- 5. Deck Surface** Remove all coatings, paints and contaminants. Clean concrete surface by shot blasting prior to application of material. All surfaces must be clean, sound and dry.

**Application:**



Roofing & Weatherproofing Peace of Mind™

**Systems Application:** The following application procedures for the Trem-Lar PTM System is general for all systems. Special considerations pertaining to the following environments are mentioned below.

**A. Plaza Decks**

1. Coat the entire deck surface with Trem-Lar Epoxy Primer, using solvent resistant rollers. Apply at a coverage rate of 200-250 square feet per gallon (4.9-6.1 m<sup>2</sup>/L). Allow time for the primer to cure tack free (one to two hours is usually sufficient). Do not puddle.
2. Apply a 30 +/- 5 wet mil (0.76 ± 0.12 mm) thickness (approximately 50 square feet per gallon (1.2 m<sup>2</sup>/L)) of the Trem-Lar PTM Base Coat. Use a notched squeegee to spread the material, followed by back-rolling immediately. Allow the membrane material to cure to a firm rubber (three to six hours is usually sufficient, depending on temperature).
3. Apply a 15 +/- 5 wet mil (0.38 ± 0.12 mm) thickness (approximately 100 square feet per gallon (2.4 m<sup>2</sup>/L)) of the Trem-Lar PTM Top Coat with a notched squeegee, and immediately backroll.
4. Broadcast aggregate (10-20 lbs. per 100 square feet (0.5-1.0 kg/m<sup>2</sup>)) across the wet surface of the top coat. Use an aggregate with a 20 to 40 mesh size. Immediately backroll the surface to fully coat the aggregate particles. Allow the top coat to cure to a firm hard surface before opening to foot traffic (24 hours is usually sufficient).

**B. Mechanical Rooms Floor Drains**

1. **Coving** - Clean the intersections of all floors and walls to sound material, and prime the concrete surface with Primer No. 1. Install a one-inch (25 mm) cant of TremSEAL HP along the length of the cove. Cure overnight. Prime with Trem-Lar Epoxy Primer four inches (100 mm) up the wall and three inches (75 mm) along the floor for the length of the cove. Allow to cure tack free. Apply two 15 mil (0.38 mm) detail coats of Trem-Lar PTM Base Coat, then finish with Tremlar PTM Topcoat.

**Precautions:** Use the Trem-Lar PTM System with adequate ventilation and personal protection. Users must read and follow Material Safety Data Sheets for instructions and health and safety precautions prior to and during use. Provide adequate exhaust ventilation and supply fresh make-up air for confined space or interior applications. Prevent vapors and odors from entering occupied sections of buildings.

**Availability and Cost:** Contact your local Tremco Roofing Representative for pricing and availability. For the name and number of your Representative, call the Roofing Division at 216/292-5000.

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

**Guarantee/Warranty:** Tremco Inc. warrants Trem-Lar PTM to be free of defects and to meet published physical properties when tested according to ASTM and Tremco standards. Under this warranty, any Trem-Lar PTM product that is proved to be defective when applied in accordance with Tremco's written instructions, and in applications recommended by Tremco as suitable for this product will be replaced with like product at no charge. THIS IS BUYERS SOLE AND EXCLUSIVE REMEDY.

All claims concerning product defects must be made in

**Typical Physical Performance Characteristics**

**Trem-Lar® PTM**

Property	Base Coat	Top Coat	Test Method
Density @ 77°F (25°C)	9.4 lbs/gal (1.12 kg/L)	9.4 lbs/gal (1.12 kg/L)	ASTM D1475-90
Tensile Strength	1200 psi (8270 kPa)	2000 psi (13,780 kPa)	ASTM D 412-92
Elongation	350%	130%	ASTM D 412-92
Hardness (Shore A)	70-80	80-90	ASTM D2240-95
Viscosity at 77°F (25°C)	4,000-8,000 CP (4-8 Pa·S)	1,000-3,000 CP (1-3 Pa·S)	ASTM D2196-86 (1991)
Percent Solids by Weight	80%	78%	ASTM D1353-92
VOC	226 g/l max	250 g/l max	ASTM D 3960-89

writing within twelve (12) months of shipment. The absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product. This warranty shall be IN LIEU OF any other warranty, express or implied, including but not limited to, any implied warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

**Technical Services:** Your local Tremco Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications. The services of the Tremco Research Center, which has earned a unique reputation in weatherproofing technology, complement and extend the services of the Tremco Technical Service Staff.

**Statement of Policy and Responsibility:** Tremco takes responsibility for furnishing quality materials and for providing specifications and recommendations for their proper installation.

As neither Tremco itself or its Representatives practice architecture or engineering, Tremco offers no opinion on, and expressly disclaims any responsibility for the soundness of any structure or any components below the building structure on which its products may be applied. If questions arise as to the soundness of a structure, its ability to support a planned installation properly, or whether material below the structure will be disturbed, the Owner should obtain the opinion of competent structural engineers before proceeding. Tremco accepts no liability for any failure of the structure or material below the structure or for resultant damages, and no Tremco Representative is authorized to vary this disclaimer.



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