

# POWERply® Standard Smooth

## A Smooth Surfaced, Fiberglass Reinforced, Modified Bitumen Membrane

**Composition:** POWERply® Standard Smooth is a smooth surfaced modified bitumen membrane with fire resistant characteristics. It consists of specially selected bitumens, modified with compatible SBS elastomers and a glass reinforcing mat. POWERply Standard Smooth is also asbestos free. POWERply Standard Smooth exceeds ASTM D 6163, Type I, Grade S.

**Basic Use:** POWERply Standard Smooth is designed for application in both hot and cold applied roof systems where a smooth surfaced membrane is desired. POWERply Standard Smooth is also suitable for use as a base ply on a BUR or MB roof system.

**Limitations:**

- Not intended to perform under ponding conditions. Positive drainage required.
- Not to be exposed to solvents, oils, or other contaminants harmful to asphaltic materials.
- Backnail on roofs with slopes 2:12 (2" per foot) (16.6%) or greater.

**Dimensions:** POWERply Standard Smooth is a 2.0 mm thick membrane. Roll covers 1.5 SQ (13.9 m<sup>2</sup>) when applied, with roll dimensions of 3' x 56'8" (0.91 x 17.3 m). Each roll weighs approximately 105 lbs (47.6 kg). Available in pallets only.

**General Application Data:** Roof replacement usually involves more complexities than new construction roofing. Often encountered are situations such as rusted/deteriorated decks, rotted wood components, rooftop equipment which cannot be moved or shut down, and numerous other conditions.

Product Advantages	
Features	Benefits
Polymer modified asphalt	• Resists thermal shock and splitting
Fiberglass reinforced	• Strong yet pliable to resist tears and splits
Fire resistant	• Meets building codes and insurance requirements

The following application information is designed to serve as a general guide. Your local Tremco Representative will prepare detailed specifications based upon your roof's conditions.

**Structural deck:** Must be properly designed and structurally sound.

**Drainage:** Ponding conditions are unacceptable and will adversely affect performance of any roofing system. If positive drainage does not exist, water removal must be facilitated by lowering drains, and/or installing additional drains, tapered insulation, or a Tremco approved lightweight insulating concrete slope system.

**Insulation:** Insulation must be dry and kept dry. No more insulation shall be installed than can be covered that day. The use of FAS-n-Free® Adhesive for solvent free fastener free insulation attachment is the preferred method of securement unless otherwise specified.

**Installation Procedures:** According to job specifications, prepare the surface to be covered:

- Replace areas of wet insulation, deteriorated deck and wood components.
- Install roof insulation or nailed base sheet and multi-ply base ply system.

**Cold Process POWERply Standard Smooth:** For application in cold process adhesive, cut POWERply Standard Smooth in 16 to 18' (4.9-5.5 m) lengths maximum. Allow lengths to relax.

Above 55°F (13°C) : 30 minutes minimum  
Below 55°F (13°C) : 60 minutes minimum

**Hot applied POWERply Standard Smooth:** THERMastic, POWERply Modified Hot Melt Adhesive, and Premium IV Asphalt are recommended as adhesives for POWERply Standard Smooth. Hot applied modified bitumen membranes require special application techniques under cool ambient temperatures and/or moderate wind conditions. Consult your local Tremco Representative for specific recommendations.

**Application:** Plan the placement of POWERply Standard Smooth to ensure that water flows over or along, but not against, the exposed edges.

Starting at the low point of the roof, apply a uniform and continuous application of adhesive according to specifications. Embed ply sheets as specified. Avoid walking on plies during placement.

Place POWERply Standard Smooth in a uniform and continuous application of adhesive. Lap selvage 4" (100mm) minimum; end laps 6" (150mm) minimum. Press the membrane into the adhesive using a minimum 75 pound weighted roller to assure full contact of the back of the membrane into the adhesive. Offset laps from base laps. Stagger ends 36" (1m) minimum. To assure complete and uniform adhesion, adhesive should exude past lap edges. Install flashings as specified.

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

**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 Incorporated warrants POWERply Standard Smooth to be free of defects and to meet published physical properties when tested according to ASTM and Tremco standards. Under this warranty, any product that is proved to be defective when applied in accordance to our 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 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.

## Physical Performance Characteristics

### POWERply® Standard Smooth

Property	Typical Value	Test Method
Thickness	0.080 in. (2.0 mm)	ASTM D 5147
Tensile strength @ 77°F (25°C)	98 lbf/in. MD (17kN/m) 89 lbf/in. XMD (15kN/m)	ASTM D 5147
Tear Strength at 73°F	102 lbf MD 90 lbf XMD	ASTM D 5147
Low temp flex	-5°F (-20°C)	ASTM D 5147
Dimensional Stability	pass	ASTM D 5147
Compound Stability @ 215°F (102°C)	pass	ASTM D 5147

**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 weather-proofing 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 nor its Representatives practice architecture or engineering, Tremco offers no opinion on, and expressly disclaims any responsibility for the soundness of any structure on which its products may be applied. If questions arise as to the soundness of a structure or its ability to support a planned installation properly, the Owner should obtain the opinion of competent structural engineers before proceeding. Tremco accepts no liability for any structural failure or for resultant damages, and no Tremco Representative is authorized to vary this disclaimer.

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