

Polyroof® SF

A Solvent Free, High Performance, One Part Elastomeric Roof Mastic

Composition: Polyroof® SF is a single component, solvent free, moisture curing roof elastomer. It is extremely low in odor and is asbestos free.

Basic Uses: Polyroof SF is designed as a multi-purpose roof mastic. It is suitable for use on both asphalt and tar substrates.

When used in combination with a reinforcing ply, Polyroof SF can be used to seal edge details, metal lap joints, projections, and other components of a roof assembly. Polyroof SF can also be used as a repair mastic for splits, cracks, and other problem areas of the roof system. Polyroof SF is compatible with both Hypalon and EPDM single ply roof membranes as a mastic and adhesive.

Limitations: Not intended as a wet patching material. Do not apply over wet substrates.

Product Advantages	
Features	Benefits
Solvent free	<ul style="list-style-type: none"> • VOC compliant • Extremely low odor application
Single component	<ul style="list-style-type: none"> • No mixing necessary
Moisture cure urethane	<ul style="list-style-type: none"> • Rapid and reliable setup and cure mechanism • Outstanding adhesion
Elastomeric	<ul style="list-style-type: none"> • Able to accommodate movement • Increased life due to reduced stresses
Versatile	<ul style="list-style-type: none"> • Can be used on bituminous roofs as well as Hypalon and EPDM single ply membranes • Can be used as a flashing adhesive
Low odor	<ul style="list-style-type: none"> • Reduces odor complaints from building occupants
UL Classified	<ul style="list-style-type: none"> • Fire Protection

Material temperatures must be 50°F (10°C) or greater for trowel application. Allow material to warm prior to use.

Do not apply in total thicknesses exceeding 1/4 inch (6.3 mm) in a single application.

Do not apply in applications greater than 3 course (mastic/reinforcement/mastic). Allow Polyroof SF to fully cure prior to the application of additional courses.

Not intended for use on PVC or thermoplastic alloy single ply roof membranes.

Surfaces must be clean and free of moisture, dew, dirt, dust, and other contaminants.

Do not apply if ambient temperatures are below 50°F (10°C).

Contains plasticizers which will stain through white elastomeric membranes and acrylic latex coatings. To prevent staining, the use of a stain blocking coating such as Double Duty Aluminum LV is recommended.

Packaging: Polyroof SF is available in 3 gallon (11.3 L) containers.

Grade: Trowel

Color: Black

Storage Life: Six months in unopened containers.

APPLICATION DATA:

Surface Preparation: Remove all dirt, dust, and other loose debris from the roof. Spud back all embedded gravel from the area. Area should be prepared down to a clean, sound, dry base.

Adhesion to asphalt may be enhanced through the use of TremPrime WB; allow primer to fully dry. Tar surfaces do not require priming.

Metal surfaces must be clean, dry, and free of oil. Rusted surfaces should be mechanically abraded to remove the oxidized surface down to a solid base prior to application of Polyroof SF.

EPDM and Hypalon Single Ply Membranes should be free of coatings or other contaminants which prevent direct adhesion of Polyroof SF to the membrane. Minimum surface preparation consists of a water wash and wiping with a clean, dry cloth. Consult your Tremco Representative for further recommendations.

Application: Trowel apply Polyroof SF onto clean and dry surfaces. Set reinforcing ply into freshly applied trowel course of Polyroof SF. Fully cover reinforcing ply with a top course of Polyroof SF.

If a white or reflective surfacing is required over flashing sheets adhered in Polyroof SF, the flashing sheet must be first coated with a stain blocking coating such as Double Duty Aluminum LV.

Partial containers of Polyroof SF must be tightly resealed after use. Failure to reseat container can result in excessive skinning or complete cure of the remaining material.

Reinforcing Ply: BURmesh® is recommended as a reinforcement where additional tensile strength is required. Polyester fabric can also be used as reinforcement.

Coverage Rate: 20 ft²/gal. (0.5m²/L) for a single troweled course on a smooth substrate. Coverage rates will vary depending on surface conditions.

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 preventative maintenance are all part of a sound roof program.

Guarantee/Warranty: Tremco, Inc. warrants Polyroof SF 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 with 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

Physical Performance Characteristics		
Polyroof® SF		
Property	Typical Value	Test Method
Asbestos content	None	EPA/600/R-93/116
Viscosity @ 77°F (25°C)	600,000 - 2,000,000 cP (600 - 2,000 Pa•s)	ASTM D2196-86 (1991)
Density @ 77°F (25°C)	8.6 lb/gal (1030 kg/m ³)	ASTM D 1475-90
Tensile strength @ 77°F (25°C)	30-50 psi (207-345 kPa) @ 100% elongation	ASTM D 412-87
Elongation @ 77°F (25°C)	300%	ASTM D 412-87
VOC	less than 20g/L	ASTM D 3960-89

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 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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