

# Polyroof® SF

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

### FEATURES

Solvent free

Single component

Moisture cure urethane

Elastomeric

Versatile

Low odor

UL Classified

### BENEFITS

- VOC compliant
- Extremely low odor application

- No mixing necessary

- Rapid and reliable setup and cure mechanism
- Outstanding adhesion

- Able to accommodate movement
- Increased life due to reduced stresses

- Can be used on bituminous roofs as well as Hypalon and EPDM single ply membrane
- Can be used as a flashing adhesive

- Reduces odor complaints from building occupants

- Fire Protection

### DESCRIPTION

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 multipurpose 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.

### PACKAGING

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

### GRADE

Trowel

### COLOR

Black

### STORAGE LIFE

Six months in unopened containers.

### APPLICATION

**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.

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## APPLICATION CONTINUED

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 reseal 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 RATES

20 ft<sup>2</sup>/gal. (0.5m<sup>2</sup>/L) for a single troweled course on a smooth substrate. Coverage rates will vary depending on surface conditions.

## LIMITATIONS

- Not intended as a wet patching material. Do not apply over wet substrates.
- 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 primer or coating is recommended

## PHYSICAL PROPERTIES

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 <sup>3</sup> )	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

## 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.

## PRECAUTIONS

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

## TECHNICAL SUPPORT

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 service of the Tremco Service Staff.



[www.tremcoroofing.com](http://www.tremcoroofing.com)  
3735 Green Road  
Beachwood, Ohio 44122  
1.800.852.6013

220 Wicksteed Avenue  
Toronto, Ontario, M4H 1G7  
1.800.668.9879

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