

## Description

SeamFree Liquid Membrane is a unique, two-component, elastomeric, liquid-applied waterproofing product, consisting of an asphalt/urethane base material and an activator. SeamFree Liquid Membrane is compatible with the PermaFlash® Bituminous Flashing System for penetrations and other details.

SeamFree Liquid Membrane Base is available in 4.4 gal (16.7 l) pails. The SeamFree Liquid Membrane Activator is available in 44.1 fl oz (1.3 l) bottles.

## Use

SeamFree Liquid Membrane can be used in both new or re-roof applications that are flat or slightly sloped. It is ideal for use as waterproofing for plaza decks, garden roofs or as a stand alone roofing membrane.

## Storage and Shelf Life

Store the activator indoors between 60°F (16°C) and 90°F (32°C). Do not allow to freeze. Both the base and activator have a two-year shelf life when stored properly.

## Coverage\*

Approximately 4.75 mixed gallons (17.98 l) of SeamFree Liquid Membrane is required to cover 75 ft<sup>2</sup> (6.97 m<sup>2</sup>) at a 90 mil (2.29 mm) thickness. This assumes a two coat process - a 30 mil (0.76 mm) first coat and 60 mil (1.52 mm) second coat.

\* Coverage rates depend upon weather conditions and substrate. Refer to specific code agency Web sites for exact construction information.



## Advantages

- Elastomeric and monolithic.
- Ideal substitute for hot asphalt.
- Low odor, low VOC
- Suitable for ponding water areas.
- UV stable
- Eligible for up to a 20-year JM Peak Advantage® Guarantee.

## Typical Physical Properties

Property	Test Method	Value
Tensile Strength .....	ASTM D 412 .....	600 psi (4.1 MPa)
Elongation .....	ASTM D 412.....	> 300%
Permeability to		
Water Vapor.....	ASTM E 96 Method E, .....	0.03 perms
	100°F (38°C),	
	100 mil (3 mm) sheet	
Working Time* .....	@ 75°F (25°C).....	30 min
Rainproof After* .....	@ 75°F (25°C).....	45 min
Hardness .....	ASTM D 2240 .....	65 Shore A
	@ 77°F (25°C)	
Crack Bridging.....	After Heat Aging .....	1/8" (3 mm)
Softening Point,		
Ring and Ball.....	ASTM D 36.....	275°F (135°C)
Elastomeric		
Waterproofing.....	ASTM C 836, .....	Exceeds
	ASTM C 957	All Criteria
Abrasion Resistance	ASTM D 4060,	1.2 mg loss
	1,000 gr./1,000 rev.	
	CS-17 wheel	

\* Working and cure times will vary depending on ambient, surface and material temperatures.

## Installation Instructions

For flashings, JM recommends using the PermaFlash Bituminous Flashing System prior to applying the SeamFree Liquid Membrane System. After mixing the activator with the base, spread evenly on the substrate with a squeegee to obtain a full coverage coating, without voids and a minimum thickness of 30 mils (0.76 mm). Immediately roll the reinforcing scrim into this layer while still wet. Brush with a broom to ensure the scrim is embedded into the SeamFree Liquid Membrane without voids. Allow the first layer to dry to tack free (approximately two to four hours at 70°F [21°C]). Then apply a 60 mil (1.52 mm) layer evenly to completely cover the reinforcement scrim. Allow an additional 8 to 12 hours before foot traffic.

All side laps and end laps of SeamFree Scrim must be a minimum of 4-inches (102 mm) with an application of SeamFree Liquid Membrane installed between the lap surfaces.

## Caution

The SeamFree Liquid Membrane System is prepared on the jobsite and requires extra care during preparation. Roofing contractors must advise their crews to precisely follow all safety, storage, handling, preparation and application instructions. JM will not accept responsibility for any use of this product that does not comply with the instructions printed on the containers.

Refer to the Material Safety Data Sheet and product label prior to using this product.