

## SeamFree™ Liquid Membrane 90 mil system with TopGard® 4000 or TopGard® 5000 coating. For use over approved decks on inclines up to 1" per ft (83 mm/m).

### Materials per 100 ft<sup>2</sup> (9.29 m<sup>2</sup>) of Roof Area

#### SeamFree Liquid Membrane:

SeamFree Liquid Membrane – 30 mil base coat	2 gal (7.5 l)
SeamFree Liquid Membrane – 60 mil final coat	4 gal (15 l)
SeamFree Scrim	1 ply

#### Surfacing:

TopGard 4000	1 - 1½ gal (0.4 - 0.6 l)
TopGard 5000	1 - 1½ gal (0.4 - 0.6 l)
TopGard Base Coat	1 - 1½ gal (0.4 - 0.6 l)

Approximate installed weight: 145 - 255 lb (66 - 116 kg).

### General

This specification is for use over poured and precast concrete decks. This specification is not to be used directly over poured or precast gypsum, cementitious wood fiber, insulation or lightweight insulating concrete fills.

**Note:** Consider all general instructions contained in the current JM Built-Up and Modified Bitumen Roofing Systems Manual as part of this specification.

### Design

Consider local conditions and characteristics when designing, specifying and installing any roofing system. Information from the Asphalt Roofing Manufacturers Association (ARMA), Single Ply Roofing Industry (SPRI), FM Global® and local building codes can provide guidelines for the designer.

Design and installation of the deck and/or substrate must result in the roof draining freely and to outlets numerous enough and so located as to remove water promptly and completely. Minor ponding is acceptable.

### Deck Preparation

Ensure that the entire deck is clean, dry and smooth. Refer to the SeamFree Liquid Membrane Installation Guide for more information about deck preparation.

### Flashings

JM recommends installing flashing details prior to the installation of the SeamFree Liquid Membrane System. Flashing details can be found in the JM Built-Up and Modified Bitumen Roofing Systems Manual.

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

### Membrane Application

After mixing the SeamFree Liquid Membrane Activator and the SeamFree Liquid Membrane Base together, spread evenly on the substrate with a flat squeegee to obtain a full coverage coating, without voids and a minimum thickness of 30 mils (0.76 mm). Immediately lay the reinforcing SeamFree Scrim into this layer while still wet. Brush with a broom to ensure the SeamFree Scrim is embedded into the SeamFree Liquid Membrane without voids. Allow the first layer to dry to tack free [approximately three to four hours at 70° F (21° C)]. Then apply a 60 mil (1.52 mm) layer evenly to completely cover the reinforcement SeamFree Scrim. Allow an additional 24 hours before foot traffic.

### Joints

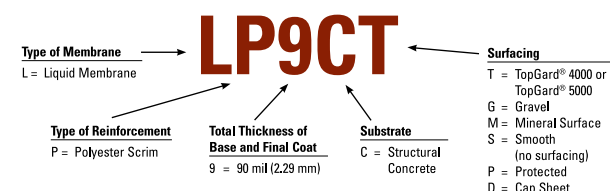
Should SeamFree Liquid Membrane System not be able to be installed over the entire roof area in one day, the joint line left at the work stopping point must be clean and straight. When work resumes, install detail SF-12 to ensure a proper tie-in.

### Quality Control of SeamFree Liquid Membrane

Ensure a sufficient amount of coating has been applied to meet the mil requirements for application by performing a wet film thickness (WFT) test. Conduct a WFT test every three to five pails of installed SeamFree Liquid Membrane in order to obtain required membrane thickness. Read and follow the WFT manufacturer's instructions before conducting any analysis. Use ASTM D 1212 as a reference for approved WFT test methods.

### Surfacing

After the SeamFree Liquid Membrane has fully cured, install one uniform application to the TopGard Base Coat. Allow the TopGard Base Coat to dry. Next apply a minimum of one uniform application of either TopGard 4000 or TopGard 5000. If the SeamFree Liquid Membrane is allowed to cure for 60 days then an installation of a minimum of two uniform applications of TopGard 4000 (without any TopGard Base Coat) is acceptable. Pay particular attention to the installation directions printed on the label of the container for the chosen coating.



**Note:** For the most current information on general guidelines, please refer to the System Considerations tab under Systems Introduction & Selection on the JM Roofing Web site. For specifications, flashing details and general installation information please refer to the System Application tab.