



# SP LIQUID MEMBRANE

## Technical Data Sheet (8/19/11)

### DESCRIPTION

SP LIQUID MEMBRANE is a tough, one-part elastomeric hydrocarbon aliphatic polyurethane coating that is loaded with a ceramic pigment for strength. Upon curing, SP LIQUID MEMBRANE provides a protective coating film of superior adhesion and flexibility, and is resistant to abrasion and impact. SP LIQUID MEMBRANE can be used as a primer, as a one-coating system or as a topcoat to seal Super Therm from ponding water. SP LIQUID MEMBRANE can be applied over pressure-washed substrate of TPO, EPDM, PVC, wood, concrete or metal.

### TYPICAL USES

- As a protective coating on metal, concrete, wood, etc. to add water resistance and longevity.
- As a one-coat system on new or existing roofs, and other commercial/industrial surfaces with minimal surface preparation.
- As a moisture protective membrane to stop moisture penetration, contaminants, and mold and mildew.
- Top coat in a thin film over the HPC and HSC to protect them from weathering, water and to help guard from abuse during normal operations.

### APPLICATION METHODS

SP LIQUID MEMBRANE can be applied to concrete, EPDM, TPO, PVC, wood, metal or masonry substrates. The coating can be applied by spray, brush or roller. For specific instructions on surface preparation, mixing and application, please refer to the SPI's application instructions for SP LIQUID MEMBRANE (millage may vary due to surface profile), and what is required of the coating.

**NOTE:** This product must not be applied on or within 2 inches of chlorinated rubber.

**NOTE:** Never use mineral spirits to prep surfaces or to thin this product.

### PHYSICAL DATA

- ◆ Solids: By weight 56.03% / By volume 45%
- ◆ 60 MINUTES TO TACK FREE AT 70°F (21°C)
- ◆ Overcoat window is unlimited
- ◆ Lead and chromate free
- ◆ Net Weight: 10.83 lbs. per gallon
- ◆ Shelf Life: Up to 3 years (unopened) under appropriate storage condition (see MSDS)
- ◆ One component coating; No curing agent needed
- ◆ VOC Level: 200 grams/liter

- ◆ Viscosity: KU141
- ◆ Tensile strength: 1765
- ◆ Elongation: 512%
- ◆ Permeance: 7.3
- ◆ Tear resistance: 351 lbf/in
- ◆ Fungi resistance rating: "0"
- ◆ Low temp flex -15°F: Pass
- ◆ 1000-hour accelerated weathering: Pass
- ◆ White in color; available in colors per minimum order requirement
- ◆ Maximum Surface Temperature when applying; 150°F (65°C)
- ◆ Minimum Surface Temperature when applying; 50°F (10°C)
- ◆ Maximum Surface Temperature after curing; 325°F (163°C)
- ◆ Failure will occur at a constant temperature equal to or greater than 325°F (163°C); consult SPI for intermittent temperatures greater than 325°F (163°C)
- ◆ Can be applied over damp to wet surfaces

### SAFETY PRECAUTIONS

Do not use this product without first taking all appropriate safety measures to prevent property damage and injuries. These measures may include, without limitation: proper ventilation, use of proper lamps, wearing of protective clothing and masks, tenting, and proper separation of application areas. This coating is flammable. Keep away from fire, or other sources of ignition. For more specific safety procedures, please refer to the SP LIQUID MEMBRANE Material Safety Data Sheet. **KEEP OUT OF REACH OF CHILDREN.**

**LIMITATION OF LIABILITY:** The information contained in this data sheet is based upon tests that we believe to be accurate and is intended for guidance only. All recommendations or suggestions relating to the use of the products made by SPI, whether in technical documentation, or in response to a specific enquiry, or otherwise, are based on data which to the best of our knowledge is reliable. The products and information are designed for users having the requisite knowledge and industrial skills, and the end-user has the responsibility to determine the suitability of the product for its intended use.

SPI has no control over either the quality of condition of the substrate, or the many factors affecting the use and application of the product. Therefore, SPI does not accept any liability arising from loss, injury, or damage resulting from such use or the contents of this data sheet (unless there are written agreements stating otherwise).

The information contained in this data sheet is subject to modification as a result of practical experience and continuous product development. This data sheet replaces and annuls all previous issues and the user has the responsibility to ensure that this sheet is current prior to using the product.