



## SP SINGLE-PLY PRIMER

### Application Instructions (10/26/11)

*SP SINGLE-PLY PRIMER is a single component, solvent-based coating designed to be a base primer for single-ply membranes. It must be applied to EPDM, PVC, and TPO to prime for SP Liquid Membrane. It offers outstanding surface adhesion and durability.*

#### **SURFACE PREPARATION**

Surface must be clean from oil, tar, rust, grease, salts, and films.

- 1) Use general degreaser if needed.
- 2) Clean surface using Simple Green or a citrus cleaner to release dirt and degreaser residue.
- 3) Pressure-wash if possible @ 1500 psi. or scrub using heavy duty broom.
- 4) Salt contamination on a surface can come as a result of salt water, fertilizers, and car exhaust. Use Chlor-Rid or equivalent to decontaminate surface if salts are present. Acceptable levels: Nitrates: 5-10 mcg/cm<sup>2</sup>, Sulfates: 5-10 mcg/cm<sup>2</sup>, Chlorides: 3-5 mcg/cm<sup>2</sup>

#### **Surface must be dry before applying.**

- 1) SP Single-Ply Primer must be applied during proper temperatures (below) and the prescribed overcoat window of the coating over which it will be applied.
- 2) Maximum Surface Temperature when applying: 180°F (82°C)
- 3) Minimum Surface Temperature when applying: 40°F (5°C)
- 4) Maximum Surface Temperature after curing: 180°F (82°C)

#### **MIXING**

SP Primer should be mixed by hand for 30 seconds.

#### **MINIMUM SPREAD RATES (mil thickness)**

EPDM, PVC, TPO – Apply at 320 sq.ft./gallon (30sq.mtr./gallon); 5 mils wet (125 microns wet), 0.6 mils dry (15 microns dry). For EPDM Roof membranes older than 5 years old, apply SP Single-Ply Primer @ 200 sq.ft./gallon (18.5 sq.mtr/gal.); 8 mils (200 microns) wet/1 mil (22 microns) dry.

- 1) SP Single-Ply Primer is to be used on all single-ply membranes (EPDM, TPO, PVC) prior to applying base coats, such as Super Base or SP Liquid Membrane
- 2) No age threshold applies. Apply to ALL membranes regardless of age.
- 3) SP Single-Ply Primer is to be applied after repairs are made, the roof has been cleaned using Simple Green (or comparable) and scrubbed with a stiff-bristled concrete broom.

#### **APPLICATION**

SP SINGLE-PLY PRIMER must be applied to dry surfaces as soon as possible after cleaning. It can be applied by conventional air spray, airless spray equipment, or pump sprayer. Do not brush or roll.

Airless machines need to spray at a minimum rate of one gallon per minute using a .007-.009 reversible tip, or a solvent-ready hand-pumped sprayer can be used.

**NOTE:** Temperatures must always be a minimum of 5 degrees above the dew point during application.

#### **CURE TIME**

- 1) 60 minutes to tack free at 70°F (21°C)
- 2) Overcoat: 1 hour when 70°F (21°C) at 40% Relative Humidity

#### **TEMPERATURE**

- 1) Apply between 50°F. and 100°F.
- 2) Store between 40°F. and 100°F.

#### **CLEAN-UP EQUIPMENT**

- 1) After completion, spray systems should be flushed and cleaned with MEK or other comparable solvents.
- 2) After completion, brushes can be cleaned with MEK or comparable solvents, store and reused.