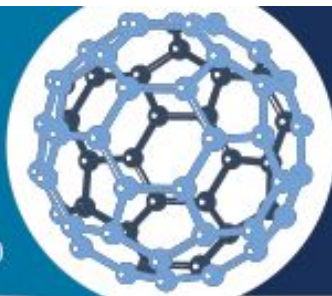


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SUPERSKINSYSTEMS

## Technical Data Sheet

### Primer 5000

Primer 5000 is a unique single component multi-purpose primer where topcoats may be applied while primer becomes tacky to the touch providing an extended top coating application window. It provides excellent adhesion to both porous and non-porous substrates such as concrete, metals, fiberglass, phenolic, etc. The primer does not contain VOC solvents and is ready for use with no mixing. Primer must only be applied to surfaces free from contaminants such as oils, loose debris, dirt, waxes, etc. In general, this all-purpose primer delivers optimum adhesive characteristics while being used in a "tacky" state as it chemically bonds to polyureas and polyaspartics. A catalyst may be added to decrease drying time under humid conditions. Levels of 0.1 to 1% can reduce the drying time to 10 min if necessary. A refresh primer coat must be applied if drying time exceeds 24 hrs. This primer may also be formulated with corrosion inhibitors if desired. Please contact our technical support group for specific substrate application procedures, equipment, safety gear and clean-up kits. Refer to MSDS for material and safety standard procedures.

### Technical Application Data

Primer 5000 may be applied within temperature ranges from 50°F to 100°F. This primer has a max working time window of 24 hours. Re-coat will be necessary if the 24 hr drying window is exceeded. Proper application time is when the primer begins to become tacky to the touch which is dependent on humidity. A catalyst may be added to decrease dry time if working in humid conditions. Levels of 0.1 to 1% can reduce the drying time to 10 min if necessary. Topcoats are applied immediately to tacky surface. If primer becomes totally dry, then re-coat. Application of primer may be airless sprayer, brush or roller. Recommended wet film thickness is 5-10 mils. Material coverage per mixed gal 250 sq.ft./gal. depending on roughness of surface and application method. Always wear protective respiratory and eye protection when using.

# Physical Properties

## Primer 5000 Physical Properties

Salt Water Spray	ASTM B117	Pass 500 hours
Cathodic Protection	ASTM C876	Pass 75°C
Elongation	ASTM D412	150%
Viscosity	ASTM 522	600 cp
Flash Point	Pensky-Marten	460°F
Appearance	Visual	Amber Liquid
Application Timing	Touch	*Dependent on humidity, see Application Data below*

# Adhesion Results

## Adhesion Results of Typical Substrates per ASTM D-4541 Elcometer

Concrete	>250 psi	Excellent bonding
Steel	>250 psi	Excellent bonding
Wood	>250 psi	Excellent bonding
EPDM/PVC Membrane	>250 psi	Excellent bonding

# Substrate Surface Preparation

As always, preparation of substrate surface prior to the application of any SuperSkinSystem material as it is extremely important to achieve proper bonding of the total system.

Concrete must be fully cured and should be cleaned with a high pressure steam cleaner combined with an alkaline detergent wash solution or secured with a sandblasting or shot-blasting procedure depending on the severity of the concrete surface condition. After surface cleaning a thorough rinsing procedure must be completed to remove residual cleaning agents. Power blow drying then natural evaporative air drying is usually a sound procedure to eliminate moisture. For patching, use our calcium carbonate filled fast-set Acrylic Modified Epoxy applied by trowel. For expansion joints, use our Joist Seal applied by hand cartridge dispensing gun. Metals must be prepared and standardly prepped to be clean and free of contaminants.

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