



Technical Data Sheet

WetSkin Epoxy Primer

WetSkin Epoxy is a superior fast-setting zero-VOC 100% solids epoxy primer formulated specifically for damp, humid, wet or underwater application conditions. It provides excellent adhesion to cold underground concrete surfaces. It provides good chemical and anti-corrosive resistance against water, mineral acids, alkalies, hydrocarbons and solvents. The unique nature of this epoxy permits its use in extreme environments such as underground concrete facilities, nuclear plants, vaults, water water treatment plants, water and chemical containment facilities, tunnels, industrial chemical plants and freshwater environments.

WetSkin is formulated in as a semi-rigid colorable low odor coating system to accommodate surfaces which exhibit a small degree of flexibility while delivering excellent impact strength. This primer coating may also be used to coat metal, wood, fabrics and composite substrates. Its heavy-duty performance characteristics enable it to be used with many types of construction, precasts, wet-floors or repairs producing an adhesion promoter for many super-polymer elastomers or topcoats such as StormSkin™, BlastSkin™, FireSkin, ChemSkin or family of ClearSkin products.

Please contact our technical support group for specific material systems, substrate application procedures, application equipment, recommended safety gear and clean-up procedures. Refer to MSDS for material and safety standard procedures.

Technical Application Data

WetSkin is a two component 1:1 epoxy mixture exhibiting low viscosity. Application temperatures range 40°F to 100°F. Working time at 75°F is 25 min. depending on amount of added diluting solvent. Primer is dry to the touch in 3 hours with full-cure time developing normally within 5 days. Functional operation temperature ranges from -20°F to 175°F. The coating may be applied by spray equipment, roller or brush. After mixing parts A and B, stir thoroughly and give the mixture a 10 min. induction time prior to

application. Final top-coat application surface is glossy smooth. Recommended max wet application film thickness is 16 mils. Coverage at 16 mils is 100 sq. ft./ mixed gal.

Physical Properties

WetSkin Epoxy Primer PHYSICAL PROPERTIES

Flex Modulus	ASTM D624	430 kpsi
Tensile Strength	ASTM D412	8544 psi
Elongation	ASTM D412	30%
Hardness Shore D	ASTM D2240	60
Salt Spray Resistance	ASTM B 117	2000 hours continuous
Mix Ratio, resin:hardener	PBV	1:1

Adhesion Results

Adhesion Results of Typical Substrates per ASTM D-4541 Elcometer

Concrete- clean	>300 psi	Cohesive failure; excellent substrate bonding
Steel- clean	>1000 psi	Cohesive failure; excellent substrate bonding
Wood- dry/dust free	>250 psi	Wood failure; excellent substrate bonding

Substrate Surface Preparation

Preparation of substrate surface prior to the application of a SuperSkinSystem is extremely important to achieve proper system bonding.

Concrete must be clean, free of contaminants, acids or alkalines prior to primer application. Proper preparation must be performed for metals and other substrates. Call our Tech Support Group for assistance in application and preparation. It is always best to perform a test within a small section of the application area prior to full scale engagement.

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