



Primer 28

Single Component Primer



TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

Primer 28 is a one-component primer used primarily for concrete and metal substrates and other inherently dust prone applications. It is available in Rigid or Flexible formulations. It is a moisture-cure solvent based poly-isocyanate which is reduced 3:1 using Xylene, Naphtha Aromatic 100, Butyl Acetate or MEK. This primer may be also formulated with zinc to provide galvanic protection when used in industrial metal assemblies. It is ideal for polyurea or poly-aspartic topcoats which require high performance adhesive characteristics. It is normally used in demanding environments such as coastal marine, industrial chemical processing and oily water treatment plants where superior adhesion is required. Top-Coats include SuperSkinSystems' polyurea coatings as well as other top coating systems such as urethanes, enamels or acrylics. If application surface retains extensive corrosion, normal forms of media blasting is recommended to create a secure surface preparation. PRIMER 28 is applied in thin coats and quickly flashes off to a dry-tacky touch in minutes depending on relative humidity and temperature. If the primer becomes totally dry or exceeds the max working application window of 24 hours then a quick recoat will be necessary. Top coating must be applied to the primer while in a tacky wet to tacky dry state.

TECHNICAL APPLICATION DATA

Primer 28 Application temperature ranges from 50°F to 100°F. This Primer exhibits a limited working time window as top-coating must be applied while the primer retains its tackiness state. Re-coating must be performed if tackiness is lost or exceeds the max working window of 24 hours to ensure excellent bonding and inter-coat adhesion. This primer requires reduction with solvent, such as Xylene, at a 3:1 ratio and will become very thin for good penetration and sprayability. Mix in solvent until water-like uniformity. Apply Primer 28 using airless sprayer, roller or brush.

Recommended max wet application film thickness is 10 mils. Material coverage per mixed gallon is 400 ft.²/gallon depending on roughness of surface. Solvent based materials must be used in well-ventilated areas. Always wear protective respiratory and eye protection when using. As always, preparation of substrate surface prior to the application of any SuperSkinSystems 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 was 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 any residual cleaning agents. Power Blow drying then natural evaporative air drying is usually a sound procedure to eliminate moisture. Metals must be prepared and standardly prepped to be clean and free of contaminants.

Primer 28 PHYSICAL PROPERTIES

		REGULAR	FLEX
Elongation	ASTM D412	50%	150%
Salt Water Spray	ASTM B117	Pass 500 hours	Pass 500 hours
Cathodic Protection	ASTM C876	Pass 75°C	Pass 75°C
Viscosity	ASTM 522	5200-7000 cp	4500-6000 cp
Flash Point	Pensky-Marten	460°F	460°F
Appearance	Visual	Amber Liquid	Amber Liquid
Application Time	Touch	Depend on humidity	Depend on humidity

AD ADHESION RESULTS

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

HEALTH AND SAFETY

Read the Safety Data Sheet (SDS) and container labels for detailed health and safety information. This product is intended for industrial use by properly trained professional applicators only.



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