

Product Data Sheet

UREPRIME® HS4 EPOXY URETHANE PRIMER 15050



15050: Base 15059: Curing Agent 95041

Description:	UREPRIME® HS4 EPOXY URETHANE PRIMER is a two component, high solids primer that meets VOC regulations requiring less than 100 grams / Litre. It offers excellent smoothness that provides a premium topcoat appearance.
Recommended use:	For use on automobiles, trucks, trailers, bulk tanks, and commercial architectural applications that require the ultimate smoothness that offers a premium topcoat appearance. For roofing applications follow the applicable NEOGARD® GUIDE SPECIFICATION.
Features:	Uses same catalyst as ACRYLITHANE™ HS4 Solvent & chemical resistant Uses as a primer / surfacer Excellent corrosion resistance Very low VOC - <100g/L
Service temperatures:	Maximum dry heat exposure to 300°F continuous / 149°C
Availability:	Not included in Group Assortment. Availability subject to confirmation.

PHYSICAL CONSTANTS:

Shade no./Color:	Base: 16640 White (<i>formerly JB33014</i>), & 57920 Coral (<i>formerly JB 33024</i>)
Finish:	Semi flat
Volume solids, %:	63 ± 1
Theoretical spreading rate:	12.39 m ² /litre - 50 microns 505 sq.ft./US gallon - 2.0 mils DFT
Flash point:	61°F/16°C
Specific gravity:	1.58 kg/litre - 13.14 lbs/US gallon
Viscosity	35" / Zahn 3
Dry to touch:	6 hours at 20°C/68°F
Through Dry to handle	8 hours
VOC content (mixed):	97 g/litre [0.81 lbs/US gallon] <i>The physical constants stated are nominal data according to the approved formulas.</i>

APPLICATION DETAILS:

Version, mixed product	15050
Mixing ratio:	BASE 15059 (<i>formerly JB33014</i>) : CURING AGENT 95041 (<i>formerly JB99951</i>) 4:1 by volume
Application method:	<u>Airless spray</u> <u>Air spray</u> <u>Brush & Roll</u>
Thinner (max.vol.):	Exempt Solvents such as Acetone or t-Butyl Acetate as needed to maintain 100g/L VOC
Pot life:	2.5 hours at 20°C/68°F
Nozzle orifice:	0.011"-0.013" airless / 0.110" or 2.8 MM fluid cap conventional
Nozzle pressure:	131 bar [2,000 psi] <i>(Airless spray data are indicative and subject to adjustment)</i>
Cleaning of tools:	MEDIUM REDUCER 0832
Indicated film thickness, dry:	50 – 125 microns / 2 – 5 mils (<i>see REMARKS overleaf</i>)
Indicated film thickness, wet:	71259 - 198 microns / 3.2 – 8.0 mils
Overcoat interval, min:	4 hours (20°C/68°F); 3 hours w/ 0.5 oz./mixed gallon of 99LJB accelerator (<i>formerly 99041</i>)

Safety: Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult Safety Data Sheets and follow all local or national safety regulations.

SURFACE PREPARATION:	<p>Remove oil and grease etc. thoroughly with suitable detergent. Remove salts and other contaminants by high pressure fresh water cleaning. Abrasive blasting to Sa 2½ (ISO 8501-1:2007) or SSPC-SP 10 with a sharp-edged surface profile corresponding to Keane-Tator Comparator, 2.0 G/S, 2 S, or ISO Comparator, Medium (G).</p> <p>Repair and maintenance: Remove oil and grease etc. thoroughly with suitable detergent. Remove salts and other contaminants by high pressure fresh water cleaning. Clean damaged areas thoroughly by power tool cleaning to minimum St 2 (spot-repairs) or by abrasive blasting to min. Sa 2, preferably to Sa 2½ (ISO 8501-1:2007) or SSPC-SP 10. Improved surface preparation will improve the performance of the product. As an alternative to dry cleaning, water jetting to sound, well adhering coat and/or to steel. Intact coat must appear with roughened surface after the water jetting. By water jetting to steel, cleanliness shall be: Wa 2 -Wa 2½ (atmospheric exposure) / minimum Wa 2½ (immersion) (ISO 8501-4). Acceptable flash-rust degree before application: maximum M (atmospheric exposure), preferably L (immersion) (ISO 8501-4). Feather edges to sound and intact areas. Dust off residues. Touch up to full film thickness. On pit corroded surfaces, excessive amounts of salt residues may call for high pressure water jetting, wet abrasive blasting or, alternatively, dry abrasive blasting, high pressure fresh water hosting, drying, and finally dry abrasive blasting again</p>
APPLICATION CONDITIONS:	<p>Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. Use only where application and curing can proceed at temperatures above: 7°C / 44°F. The temperature of the paint itself should be: 15-25°C/59-77°F. In confined spaces provide adequate ventilation during application and drying. Alternate reducers such as Acetone may be used to reduce product without adding VOC's.</p>
PRECEDING COAT:	<p>According to specification, or recommended systems are: ALUMINUM ADHESION PROMOTER; CHEM-O-PLEX ADHESION PROMOTER; CHEM-O-Z HS2 ORGNIC ZINC RICH PRIMER; OR CHEM-O-Z QUICK DRY ORGANIC ZINC RICH PRIMER.</p>
SUBSEQUENT COAT:	<p>ACRYLITHANE POLYURETHANE ENAMELS</p>
REMARKS:	
Mixing:	<p>Mix thoroughly before use. Add 1 quart of catalyst to a 1 gallon of UREPRIME® HS4 and mix thoroughly again. Only apply when air and surface temperature are between 44 - 100°F.</p>
Thinning:	<p>Add 08EJB (21102 Fast Spray Reducer) as required. When temperature is over 70°F, use 08320 (21092 Medium Reducer). Add 08BJB (21093 Slow Reducer) to reduce dry spray and orange peel, if required. 085JB (21078 Special Urethane Retarder) can be added to help add a wet edge for spraying large parts. 08DJB (21099 Brush/Roll Additive) can be used to help applications requiring brushing and rolling.</p>
Pot Life:	<p>Pot life is approximately 2½ hours after mixing. Mix only the amount of material that can be used in 2 hours. Pot life is decreased with an increase in temperature. Mixed material should be kept in as cool a location as possible. Flush mixed material from pressure pot and lines immediately after use.</p>
Overcoating:	<p>Under normal conditions, dries to touch in 6 hours and dries for overcoat in 8 hours. Low temperature, high humidity, poor ventilation and thick films will retard drying. Addition of accelerator 99LJB (formerly JB 99041) at the rate of 0.5 fl. /oz. per mixed gallon will shorten dry times to overcoat at 3 hours and to touch at 4 hours.</p>
Cleaning:	<p>Clean paint tools or spills immediately with 08320 (21092 Medium Reducer), MEK, or lacquer thinner carefully observing cautions on paint and thinner labels. Dried paint may need to be removed by scraping.</p>
Note:	<p>UREPRIME HS4 is for professional use only.</p>
Issued by:	<p>HEMPEL (USA), Inc 9504116640</p>

This Product Data Sheet supersedes those previously issued.

For explanations, definitions and scope, see "Explanatory Notes" available on hempel.com. Data, specifications, directions and recommendations given in this data sheet represent only test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use of the Products herein must be determined exclusively by the Buyer and/or User.

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