

15040 : Base 15049: Curing agent: 95070
15041 : Base 15049: Curing agent: 95042

Description: Urethane HS2 Epoxy Urethane Primer is a two component, high solids primer that meets VOC regulations requiring less than 2.8 lbs. /gallon. 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 Acrylthane HS2
Chemical and solvent resistant
Use as a primer / surfacer
Excellent corrosion resistance
Low VOC - <2.8 g/L

Service temperatures: Maximum continuous dry heat exposure to 300°F/149°C

Availability: Not included in Group Assortment. Availability subject to confirmation.

Physical constants:

Colors/shade Nos.: White/16640 (formerly JB 33010); Coral/57920 (formerly JB 33114)
Finish: Semi-flat
Volume solids, %: 62 ± 1
Theoretical spreading rate: 24.8 m²/l - 25 μ994 sq. ft./US gal. - 1 mil DFT
Flash point: 79°F/26°C
Theoretical spreading rate: 1.49 kg/liter - 12.5 lbs/US gallon
Dry to touch: 6 hours at 20°C/68°F
Through dry to handle: 8 hours
Viscosity: 35" / Zahn 3
VOC content (mixed): 333 g/liter [2.8 lbs/US gallon]
The physical constants stated are nominal data according to the Hempel Group's approved formulas.

Application details:

Version, mixed product
15040 or 15041
Mixing ratio: Base 15049 (JB 33010) : Curing agent 95070 or 95042 (JB 99961)
3:1 by volume

Application method: Airless spray / Air spray / Brush & Roll
Thinner (max.vol.): 0832 (0-3%) / 0832 (3-10%) / 08DJB (if needed)
HEMPEL 0832 Medium Reducer (formerly JB 21092) , 08DJB Brush & Roll Reducer

Pot life: 4.5 hours at 20°C/68°F
Nozzle orifice: 0.011"-0.013" airless / 0.110" or 2.8 MM fluid cap conventional
Nozzle pressure: 138 bar [2,000 psi]
(Airless spray data are indicative and subject to adjustment)

Cleaning of tools: MEDIUM REDUCER 0832
Indicated film thickness, dry: 50 – 125 μ / 2 – 5 mils
Indicated film thickness, wet: 80 – 201 μ / 3.3 – 8 mils
Overcoat interval, min: 4 hours (20°C/68°F); 3 hours w/ 0.5 oz./mixed gallon of 99LJB accelerator (formerly JB 99041)

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

Surface preparation:	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).
Application conditions:	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.
Preceding coat:	According to specification. Recommended systems are: Aluminum Adhesion Promoter; Chem-O-Plex Adhesion Promoter; Chem-O-Z HS2 Organic Zinc Rich Primer; Chem-O-Z Quick Dry Organic Zinc Rich Primer.
Subsequent coat:	Acrylithane polyurethane enamels.
Remarks:	<p>Mixing: Mix thoroughly before use. Add 1 quart of catalyst to a 3/4 gallon of Ureprime HS2 and mix thoroughly again. Only apply when air and surface temperature are between 44 - 100°F. 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> <p>Pot life: Approximately 4 ½ hours after mixing. Mix only the amount of material that can be used in 4 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> <p>Drying: Under normal conditions, dries to touch in 6 hours and dries for overcoat in 4 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> <p>Cleaning: 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>
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.

Note: Ureprime HS2 is for professional use only.

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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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