Product Data Sheet
UREPRIME® 2.8 EPOXY URETHANE PRIMER 153JB

153JB: Base 153J9: Curing Agent 941JB

Description: UREPRIME® 2.8 EPOXY URETHANE PRIMER is a two component, high solids, fast drying 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.

Features:
Uses a common catalyst as ACRYLITHANE™ 2.8 topcoat
Chemical and Solvent resistant
Use as a primer / surfacer
Excellent corrosion resistance
Low VOC - <2.8 g/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:	1L000 White (*formerly JB 33028*), & 1L010 Grey (*formerly JB 33036*)
Finish:	Semi flat
Volume solids, %:	50 ± 1
Theoretical spreading rate:	9.84 m^2/litre - 50 microns 401 sq.ft./US gallon - 2.0 mils DFT
Flash point:	79°F/26°C
Specific gravity:	1.52 kg/litre - 12.7 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:	329 g/litre [<2.8 lbs/US gallon]

The physical constants stated are nominal data according to the approved formulas.

APPLICATION DETAILS:

Version, mixed product	**153JB**		
Mixing ratio:	BASE 1L000 (*formerly J-B 33010*) : CURING AGENT 941JB (*formerly J-B 99955*) 3:1 by volume		
Application method:	Airless spray	Air spray	Brush & Roll
Thinner (max.vol.):	0832 (0-3%)	0832 (3-15%)	08DJB if needed
	0832 Medium Reducer, 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:	131 bar [2,000 psi] *(Airless spray data are indicative and subject to adjustment)*		
Cleaning of tools:	MEDIUM REDUCER 0832		
Indicated film thickness, dry:	50 – 100 microns / 2 – 4 mils *(see REMARKS overleaf)*		
Indicated film thickness, wet:	100 - 200 microns / 4.0 – 8.0 mils		
Overcoat interval, min:	1 hour (20°C/68°F); 45 minutes w/ 0.5 oz./mixed gallon of 99LJB accelerator (*formerly 99041*) *See REMARKS overleaf*		

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.

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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). **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
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, 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.
SUBSEQUENT COAT:	ACRYLITHANE POLYURETHANE ENAMELS
REMARKS:	
Mixing:	Mix thoroughly before use. Add 1 quart of catalyst to a 3/4 gallon of UREPRIME® 2.8 and mix thoroughly again. Only apply when air and surface temperature are between 44 - 100°F.
Thinning:	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.
Pot Life:	Pot life is 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.
Overcoating:	Under normal conditions, dries to touch in 6 hours and dries for overcoat in 1 hour. Low temperature, high humidity, poor ventilation and thick films will retard drying. Addition of accelerator 99LJB (*formerly 99041*) at the rate of 0.5 fl. /oz. per mixed gallon will shorten dry times to overcoat at 45 minutes and to touch at 4 hours.
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.
Note:	**UREPRIME® 2.8 is for professional use only.**
Issued by:	HEMPEL (USA), Inc 153JB1L000

This Product Data Sheet supersedes those previously issued.