

172JB: Base 172J9: Curing Agent 95AJB

Description:	CHEM-O-Z QUICK DRY ORGANIC ZINC RICH PRIMER A fast drying, high solids, two component, 4:1 mix ratio, modified epoxy organic zinc rich primer for use where corrosion resistance is paramount. Provides cathodic protection of steel through sacrificial electro-chemical reaction of the zinc pigment.
Recommended use:	For use on steel structures, trucks, trailers, rail cars, bulk tanks, and chemical (acid or caustic) trailers. For maximum corrosion resistance and durability. Recommended for use in coastal and marine exposures above the splash zone over a sandblasted surface.
Features:	Excellent adhesion High Solids Fast Drying Solvent resistant Excellent Corrosion resistance
Service temperatures:	250°F (121°C) dry heat resistance
Availability:	Not included in Group Assortment. Availability subject to confirmation.

PHYSICAL CONSTANTS:

Shade no. / Color.:	5L091 Grey
Finish:	Flat
Volume solids, %:	60 ± 1
Theoretical spreading rate:	9.45 m ² /litre – 63 microns 385 sq. ft./US gallon – 2.5 mils DFT
Flash point:	34°C / 93°F
Specific gravity:	3.16 kg/litre – 26.4 lbs/US gallon
Dry to touch:	1.0 hours at 20°C/68°F
Through dry to handle	4.0 hours at 20°C/68°F
VOC content:	291 g/litre [2.43 lbs/US gallon]

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

APPLICATION DETAILS:

Version, mixed product

172JB

Mixing ratio:	BASE 172J9 (formerly JB33906) : curing agent 95AJB (formerly JB 99976) 4 : 1 by volume		
Application method:	<u>Airless spray</u>	<u>Air spray</u>	<u>Brush</u>
Thinner (max.vol.):	08320 Med. Red. (0-5%)	08320 Med. Red. (0-15%)	N/A (0%)
Pot life:	8.0 hours at 20°C/68°F		
Nozzle orifice:	.017"-.021" airless / 0.110" or 2.8 MM fluid cap air spray		
Nozzle pressure:	138 bar [2,000 psi] <i>(Airless spray data are indicative and subject to adjustment)</i>		
Cleaning of tools:	HEMPEL'S THINNER 08450 or MEDIUM REDUCER 08320		
Indicated film thickness, dry:	63 - 90 microns / 2.5 - 3.5 mils DFT <i>(see REMARKS overleaf)</i>		
Indicated film thickness, wet:	105 - 150 microns / 4.2 – 5.8 mils WFT		
Overcoat interval, min:	2 hours (20°C/68°F)		
Overcoat interval, max:	<i>See REMARKS overleaf</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.
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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).
APPLICATION CONDITIONS:	Use only where application and curing can proceed at temperatures above: 10°C/50°F and under 100°F (38°C). The temperature of the surface must also be above and below these limits. The temperature of paint itself should be 15°C/59°F or above. Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. In confined spaces provide adequate ventilation during application and drying.
SUBSEQUENT COAT:	None, or as per specification, typically Chem-O-Pon Primers and, Chem-O-Gard Primers
REMARKS:	Note: If used as anticorrosive protection under insulation of high temperature equipment it is very important that NO moisture can penetrate during slow-down periods. This to avoid risk of "wet corrosion" when the temperature rises.
Weathering/service temperatures:	The natural tendency of epoxy coatings to chalk in outdoor exposure and to become more sensitive to mechanical damage and chemical exposure at elevated temperatures is also reflected in this product.
Mixing:	Before mixing with the curing agent stir the base thoroughly in order to re-disperse any possible settling after storage. Combine the base (2 gallon container of 172J9) and 2 quarts of curing agent (95AJB) and mix for 5 minutes to homogenous mixture. After mixing it is equally important to maintain stirring to keep the wet paint as a homogeneous mixture. This is specifically important in case of a high level of thinning and/or long break in application, where the risk of settlement of zinc particles is the highest.
Film thicknesses / thinning:	May be specified in another film thickness than indicated depending on purpose and area of use. This will alter spreading rate and may influence drying time and recoating interval. Normal range dry is: 63-90 micron / 2.5-3.5 mils. This will alter spreading rate and may influence amount of thinning necessary, drying time, and recoating interval. (The dry film thickness range does not take into account the correction factors for rough surfaces as listed in ISO 19840).
Drying:	See application data for typical dry times. Low temperature, high humidity, poor ventilation and thick films will retard drying. Accelerator 99AJB (formerly Chem-O-Pon Accelerator 99026) is recommended to be used at the rate of 0.5 ounce per mixed gallon of CHEM-O-Z QUICK DRY ZINC RICH PRIMER.
Overcoating:	If the maximum overcoating interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion. Before overcoating after exposure in contaminated environment, clean the surface thoroughly by high pressure fresh water hosing and allow drying. In addition, scrubbing with a stiff brush may be necessary to remove zinc corrosion products (white rust).

Note: **CHEM-O-Z QUICK DRY ZINC RICH PRIMER 172J9 is for professional use only.**

Issued by: HEMPEL (USA), Inc.
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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. The Products are supplied and all technical assistance is given subject to Hempel's general conditions of sales, delivery and service, unless otherwise expressly agreed in writing. The Manufacturer and Seller disclaim, and Buyer and/or User waive all claims involving, any liability, including but not limited to negligence, except as expressed in said general conditions for all results, injury or direct or consequential losses or damages arising from the use of the Products as recommended above, on the overleaf or otherwise. Product data are subject to change without notice and become void five years from the date of issue.