

**172JB : BASE 172J9: CURING AGENT 95AJB**

**Description:** Chem-O-Z™ Quick Dry Organic Zinc Rich Primer is 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:** Maximum 250°F (121°C) dry heat resistance

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

**Physical constants:**

Colors/shade Nos.: Grey/5L091  
Finish: Flat  
Volume solids, %: 60 ± 1  
Theoretical spreading rate: 9.45 m<sup>2</sup>/liter [385 sq.ft/US gallon] – 63 micron/2.5 mils  
Flash point: 34°C [93°F]  
Specific gravity: 3.16 kg/liter [26.4 lbs/US gallon]  
Dry to touch: 1 hour at 20°C/68°F  
Through-dry to handle: 4 hours at 20°C/68°F  
VOC content: 291 g/liter [2.43 lbs/US gallon]  
*The physical constants stated are nominal data according to the Hempel Group's approved formulas.*

**Application details:**

**Version, mixed product**  
**172JB**  
Mixing ratio: BASE 172J9 (JB 39906) : curing agent 95AJB (JB 99976)  
4 : 1 by volume and/or by weight  
Application method: Airless spray / Air spray / Brush  
Thinner (max.vol.): 08320 Med. Red. (0-5%) / 08320 Med. Red. (0-15%) / N/A (0%)  
Pot life: 8 hours at 20°C/68°F  
Nozzle orifice: 0.017" – 0.021" airless / 0.110" or 2.8 MM fluid cap air spray  
Nozzle pressure: 138 bar [2,000 psi]  
*(Airless spray data are indicative and subject to adjustment)*  
Cleaning of tools: HEMPEL'S THINNER 08450 or MEDIUM REDUCER 08320  
Indicated film thickness, dry: 63 – 90 microns / 2.5 – 3.5 mils DFT (see REMARKS overleaf)  
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: See REMARKS overleaf

**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.

<b>Surface preparation:</b>	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).
<b>Application conditions:</b>	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.
<b>Subsequent coat:</b>	Per specification.
<b>Remarks:</b>	<p>If used as anticorrosive protection under insulation of high temperature equipment, no moisture can penetrate during slow-down periods. This to avoid risk of wet corrosion when the temperature rises.</p> <p>Weathering/surface temperatures: May chalk in long-term outdoor exposure and elevated temperatures, and become sensitive to mechanical damage and chemical exposure.</p> <p>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.</p> <p>Film thickness and 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).</p> <p>Drying: See application data for typical dry times. Low temperature, high humidity, poor ventilation and thick films will retard drying. Accelerator 99AJB (JB 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.</p>
<b>Overcoating note: (optional)</b>	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 is for professional use only.**

**Issued by:** Hempel (USA) – 172JB

This Product Data Sheet supersedes those previously issued.

For explanations, definitions and scope, see "Explanatory Notes" available on [hempel.com](http://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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