

RUST-OLEUM®

HIGH PERFORMANCE

# ROCEPOXY® DIRECT TO METAL POTABLE WATER EPOXY 9200

## DESCRIPTION AND USES

ROCEpoxy® Direct-To-Metal Potable Water Epoxy 9200 is a specially designed two-component product that can be applied in temperatures as low as 20°F, is immersion grade and is certified for use in potable water storage tanks of 40,000-gallon capacity or larger (in some colors). In order to meet the UL Certification drinking water criteria of NSF/ANSI/CAN 600, the coating must cure for 7 days at a minimum of 75°F.

This coating complies with USDA FSIS regulatory sanitation performance standards for food establishment facilities. This coating is impervious to moisture and easily cleaned and sanitized.

The ROCEpoxy Direct-To-Metal Potable Water Epoxy 9200 is also suitable for use in many other maintenance coating applications whenever low temperature curing is needed. Refer to RO-206 ROCEpoxy Direct-To-Metal Low Temperature Cure Epoxy 9200 for low temperature application.

This product is labeled ROCEpoxy Direct-To-Metal Low Temperature Cure Epoxy 9200.

## PRODUCT FEATURES

- High Solids, Self-Priming, Direct-To-Metal Application
- Low Temperature Cure as Low as 20°F
- Ultra-Smooth, Gloss Finish
- Excellent Surface Wetting and Good Early Moisture Resistance
- Dries to the Touch in as Little as 30 Minutes, Recoat within 1 hour
- Five Year Rust-Proof Guarantee\*
- UL Certified to meet the drinking water criteria of NSF/ANSI/CAN 600

## PRODUCTS

1-Gallon	5-Gallon*	DESCRIPTION
----	316834	Gray
----	316835	White
----	318207	Blue
316836	----	Activator

Base and Activator components are ordered separately.

\*The 5-gallon pails are short filled to allow for the addition of one gallon of Activator. The yield is five gallons of activated material.

## RUST PROOF GUARANTEE\*

\*Submitting the Five-Year Rust-Proof Guarantee form located on the ROCEpoxy Direct-To-Metal Potable Water Epoxy 9200 web page completely filled out, signed and with proof of purchase attached, no later than 30 days after project completion for projects using up to 50 gallons is required to qualify for the rust-proof guarantee. For projects larger than 50 gallons, please contact Rust-Oleum Technical Service Department at: Rust-Oleum Technical Service Department, 11 Hawthorn Pkwy, Vernon Hills, IL 60061, or email to: [technicalservice@rustoleum.com](mailto:technicalservice@rustoleum.com)

## PRODUCT APPLICATION

### SURFACE PREPARATION

**ALL SURFACES:** Remove all dirt, grease, oil, salt, and chemical contaminants by washing the surface with Rust-Oleum® Professional Cleaner Degreaser. Mold and mildew must be cleaned with an appropriate cleaner. Rinse thoroughly with fresh water and allow to dry if possible. Best results are obtained if the surface is completely dry.

**STEEL (IMMERSION):** Abrasive blast clean to a minimum SSPC-SP-10 Near-White Grade (NACE 2) and achieve a surface profile of 1½-3 mils (40-75µ). All weld spatter must be removed and rough welds should be ground smooth. Sharp edges should be ground to a smooth radius.

**CONCRETE (IMMERSION):** Hand or power tool clean to remove all loose or unsound concrete, masonry, or previous coating. Very dense, non-porous concrete should be acid etched or abrasive blasted to remove the laitance layer and create a surface profile of 1½-3 mils (40-75µ). Allow new concrete to cure for 30 days before coating.

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-Approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

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## PRODUCT APPLICATION (cont.)

### MIXING

The mixing ratio is 4:1 (base:activator) by volume. Thoroughly premix both base component and activator separately, then combine and continue mixing. The 316836 Activator may require additional scraping of the sides of the container during mixing to ensure all material is completely re-mixed. Once thoroughly mixed, the material is ready to use. Do not mix more material than can be applied within the stated pot life. Material should not need thinning. Attempt to apply material before making any thinning adjustments, up to 10%, with Professional Solution Oxsol Thinner or MEK Solvent Blend.

### APPLICATION

Apply only when the air temperature is between 20-100°F (-7-38°C) and the surface temperature does not exceed 120°F (49°C). The relative humidity should not be greater than 85%. Be aware of possible ice formation on the substrate if the surface or air temperatures are below 32°F (0°C).

For potable water immersion service three coats are required, a total dry film thickness of 12-18 mils and alternating color between coats to ensure complete hide and coverage. The coating must cure for 7 days at 75°F (24°C).

Best results are achieved by airless or air atomized spray. Application by brush and roller is acceptable; however multiple coats may be needed to obtain the desired appearance, recommended dry film thickness, and adequate hiding. Avoid excessive re-brushing or re-rolling, and tie-in within 10 minutes at 75°F (24°C).

**NOTE:** Brush and roller is the preferred method of application on damp substrates.

### EQUIPMENT RECOMMENDATIONS

**BRUSH:** Use a good quality natural or solvent compatible synthetic bristle brush. Avoid excessive brushing.

**ROLLER:** Use a good quality short nap synthetic roller cover with a phenolic core.

**AIR-ATOMIZED SPRAY:** Use a pressure pot system equipped with dual regulators, and a 3/8 inch ID minimum fluid hose. The gun should use a 0.070 inch fluid tip with the appropriate air cap.

**AIRLESS SPRAY:**

Pump Ratio	Pump Output	Fluid Hose
30:1	2.5 GPM	3/8" ID
Fluid Pressure	Fluid Tip	Filter Mesh
2,000-2,500 psi	0.017-0.021	60

Teflon packages are recommended and are available from the pump manufacturer.

## PRODUCT APPLICATION (cont.)

### EQUIPMENT RECOMMENDATIONS (cont.)

**Caution:** Protect surrounding surfaces from over spray. Over spray can be wet or dry depending on height of work, weather, environmental conditions, and application equipment. Wet over spray can adhere to unwanted surfaces. Dry over spray may be removed by wiping or washing. Always clean dry over spray from hot surfaces before fusing occurs as surface temperatures can be higher than the air temperature.

### DRY AND RECOAT TIMES

Dry times based on 75°F and 50% relative humidity. The curing schedule listed is to be used as a guideline for immersion applications. The maximum recoat time is 30 days.

If the recoat time is extended, inspect for surface contamination prior to recoating. Re-wash the surface if necessary.

If the maximum recoat time has been exceeded, the surface must be abraded by sweep blasting or sanding prior to the application of additional coats.

### CURE FOR IMMERSION SERVICE

Allow the final coat to cure for 7 days at 75°F (24°C) or 3 days a 90°F (32°C).

### THINNING

Thin only with Professional Solutions Oxsol Thinner or MEK Solvent Blend and do not exceed 10% by volume per gallon in order to comply with UL Certification drinking water criteria of NSF/ANSI/CAN 600.

### CLEAN-UP

Professional Solutions MEK Solvent Blend. In case of spillage, absorb and dispose of in accordance with local applicable regulations.

<b>EPOXY</b>	<b>TECHNICAL DATA</b>	<b>RO-215</b>
		<b>ROCEPOXY® DIRECT TO METAL POTABLE WATER EPOXY 9200</b>

### PHYSICAL PROPERTIES

		ROCEPOXY DTM POTABLE WATER COATING
<b>Resin Type</b>		Phenalkamine Epoxy
<b>Pigment Type</b>		Titanium Dioxide, Microcrystalline Silica
<b>Solvents</b>		Aromatic Hydrocarbons
<b>Weight*</b>	<b>Per Gallon</b>	14.0 lbs.
	<b>Per Liter</b>	1.7 kg
<b>Solids*</b>	<b>By Weight</b>	80-84%
	<b>By Volume</b>	63-67%
<b>Volatile Organic Compounds*</b>		<250 g/l (2.1 lbs./gal.)
<b>Recommended Dry Film Thickness (DFT) Per Coat</b>		4.0-6.0 mils (100-150µ)
<b>Wet Film to Achieve DFT</b>		6-9.5 mils (150-238µ)
<b>Practical Coverage at Recommended DFT (assumes 15% material loss)</b>		140-225 sq. ft./gal. (3.4-5.5 m <sup>2</sup> /l)
<b>Mixing Ratio</b>		4:1 base to activator by volume (316836 Activator)
<b>Induction Period</b>		None required
<b>Pot Life</b>		3 hours @ 70° F (21°C) and 50% RH 2 hours @ 90° F (32°C) and 50% RH
<b>Dry Times at 75°F (24°C) and 50% Relative Humidity</b>	<b>Touch</b>	30 minutes
	<b>Handle</b>	3 hours
	<b>Recoat</b>	45 minutes - max. 30 days for immersion service
	<b>Immersion</b>	7 days at 75°F (24°C) is required for potable water immersion service
<b>Dry Heat Resistance</b>		Continuous 180°F (82°C) intermittent 220°F (104°C); color shift at temperatures greater than 200°F (93°C), but it will not affect film integrity
<b>Wet Heat Resistance (Non-Potable Water)</b>		Continuous 140°F (60°C)
<b>Shelf Life</b>		2 years
<b>Safety Information</b>		For additional information, see SDS

Calculated values are shown and may vary slightly from the actual manufactured material.

\* Activated material

\*\* Pot life is affected by air temperature, amount of material activated and the quantity of thinner used. Avoid activating large quantities at temperatures above 80°F (27°C). At temperatures above 90°F (32°C), the pot life of unthinned material in 5 gallon pails may be very short (less than one hour).

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.