

High Solids Rust Inhibitive Metal Primer

708225

- Alkyd - Off White Primer

Description

Barrier III HS is a high solids, high build, fast drying, lead and chromate free rust inhibitive metal primer for ferrous metals. This primer has the ability to replace a multitude of primers usually required to ensure compatibility with various topcoats such as alkyds, epoxies, most coal tars, chlorinated rubber, emulsions and polyurethanes. It can be used as a tie coat (intermediate) primer for the possibility of upgrading present surfaces to a more chemically resistant system.

Coating Properties

Coating Category	Alkyd
Package Size	one gallon and five gallon cans
Mix Ratio	N/A
Viscosity (Mixed) - KU	70 - 75
Recommended Film Thickness	Actual coverage will vary depending on substrate and application method. Please contact your Sales Representative for specific project recommendations.
Wet	3.0 - 5.0 mils
Dry	1.5 - 2.5 mils

Coverage Information

Mixed Volume Solids May vary by Base / Color	53%
Theoretical Coverage	Theoretical coverage for 2.0 mils DFT is 401 square feet per gallon. Actual coverage may vary depending on substrate, application methods, and specified dry film thickness.
Applied Coverage	Spreading rate of 321 feet ² /gallon for 2.0 mils DFT (allowing for a 20% loss)
Pot Life (at 50% RH)	N/A
Shelf Life	minimum of two years when stored in unopened cans at 70 degrees F.
Induction Time	No induction time is needed for single component paints.
Gloss	0 to 20
Sheen	Satin

Approvals / Certifications

- MPI 79
- MPI 95

Benefits

Fast Dry
Low Temperature Application
Wide Application Window
High Solids
High Level of Adhesion
Corrosion Resistant
Rust Inhibitive
Excellent Weathering

Markets / End-Uses

Storage Tank Exteriors
Structural Steel
Plant Maintenance
Commercial Transport
Dry Goods Containers
Metal Refuse Containers

Bases / VOCs (g/L)

708225 Off White Primer 3.32 lb/gal (398g/L)
708295 Red Oxide 398 g/L (3.32 lbs/gal)
708298 Grey 393 g/L (3.28 lbs/gal)
708299 Black 400 g/L (3.34 lbs/gal)

Substrates

Ferrous Metals

Substrates and Surface Preparation

Surface preparation is important. All surfaces must be smooth, clean, dry, free of mildew, grease, soap film, sanding dust or other contaminants. Remove all loose or peeling material from previously-painted surfaces. Wash with a mild detergent and water solution. Rinse thoroughly, allow to dry and if needed on glossy or smooth surfaces: scuff sand using 80-120 grit sandpaper. Remove all sanding dust. Do not apply at ambient temperatures below 50°F (10°C).

Ferrous Metal: Clean metal of any contaminants by pressure washing or solvent wiping per SSPC-SP-1. As a minimum power tool clean the metal per SSPC-SP-3 being careful not to polish the metal. The metal surface should have a profile for the paint to mechanically bond to. Better performance is always achieved with an abrasive blast to a minimum of SSPC-SP-6 Commercial Blast.

WARNING! Use With Adequate Ventilation. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

For Industrial/ Shop Use Only.

Methods of Application

Application Parameters

Relative Humidity	85%
Minimum Temperature	40 ° F.
Maximum Temperature	100 ° F.
Continuous:	175° F.
Intermittent:	225 ° F.
Application Comment	For recoating primer or applying alkyds wait 5 hours at 55° F. At 77° F. wait 2 hours. Keep wet film thickness at 3.0 to 4.0 mils especially on horizontal surfaces or corners where excessive thickness could cause wrinkling upon applying next coat of paint. For epoxy or urethane topcoats at this same temperature (55°F.) allow 12 hours before application. At 75°F. wait overnight.
Technical Notes	This coating is not approved for immersion service and should not be used on roofs or decks where water puddling is likely.
Performance Tips	For touch up by roller or brush, please thin with Synthetic Alkyd Flow Thinner 7992491.

Equipment Settings

Airless Spray: Pressure 2,000 psi. Tip: .013" to .017"

Brush: Use a good quality pure bristle brush.

Roller: Use a 1/4" -3/8" nap synthetic cover depending on the degree of texture of the surface to be painted.

Note: Due to the fast drying nature of this primer a brush or roller application is not feasible but may be used for stripe coating of welds edges and minor touch up.

Reducers

Use 799260 Synthetic Reducer.

Equipment Cleaning

Use the recommended thinner for this paint for clean up: Synthetic Reducer (799260)

Product Weight

11.20 lbs per gallon

Tint Type

Industrial Tinting Colorant

Load Capacity

The off white primer 708225 can be tinted to a pastel color to aid the hiding power of the topcoat.



TECHNICAL DATA SHEET

Safety Precautions

Safety Precautions: For detailed information please refer to this product's material safety data sheet. A copy of which may be found at our website: www.rodmapaint.com under Products:Product Data Sheets and MSDS.

Flammable & Combustible: Use only in a well ventilated area. Keep away from potential sources of flames or sparks, such as a pilot light on a furnace or an electric motor. Keep out of reach of children. Materials such as rags that are used with this product may begin to burn by themselves. After using, completely immerse used rags in water or lay them out flat separately to dry and then discard.

Updates

Please visit www.rodmapaint.com for the most recent versions of Technical Data Sheets and Material Safety Data Sheets.

Recent Amendments

Check for recent amendments to this data sheet at www.rodmapaint.com

Last Modification date: 06/02/2016

Limitation of Liability

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READ LABEL AND SAFETY DATA SHEET PRIOR TO USE.



Rodda Paint Company
6107 North Marine Drive, Portland, Oregon, USA 97203
Corporate Office 1.800.452.2315
www.rodmapaint.com



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