



Commercial • Industrial • Residential

Phenolic Alkyd **BARRIER III™ HS**

HIGH SOLIDS Rust Inhibitive Metal Primer (7082 Series)

DESCRIPTION

Barrier III HS is a high-solids, high-build, quick dry, non-lifting, corrosion resistant, lead & chromate free rust-inhibitive metal primer. Formulated to protect ferrous metals in one coat, Barrier III HS provides a hard, flat, corrosion & weather resistant finish that protects metal while in storage, transit and construction prior to final finish.

Barrier III HS primer is designed to meet MPI# 79 and for use on ferrous metals, under a variety of protective or general maintenance topcoats... This versatile Primer can be used under solvent or waterborne alkyds, acrylics, epoxies, polyurethanes, most coal tars or other topcoats. With its excellent corrosion resistance, it may be used as a barrier coat over existing alkyd or maintenance coatings and it can also be used as a tie coat/intermediate primer for the opportunity of upgrading the existing metal surface to a superior chemically resistant system.

INTENDED USE:

- This **'Best in Class'** product is **designed** for Professional Contractors and Homeowners alike, for use on properly prepared **interior/exterior** ferrous metals such as Structural Steel, Bridges, Tanks, Towers, Piping, Sash & Trim, Metal Doors & Frames, Ornamental Iron, Gutters and Misc. Metal objects
- Ideal for Commercial, Industrial and Residential projects
- NOT for use on galvanized steel

COATING PROPERTIES

Coating Category	Phenolic Alkyd
Package Size	Available in One gallon cans, Five gallon pails
Viscosity	75 – 90 KU's
MPI CERTIFICATIONS	#76, #79
OTHER CERTIFICATIONS	
VOC	<445 g/L
Recommended Film Thickness per coat:	
Wet Film	3.0 – 5.3 mils
Dry Film	1.5 – 2.6 mils

TEST RESULTS

Coating: Barrier III HS Interior/Exterior Alkyd Primer	
Adhesion: Method: ASTM D4541 Result: >500 in PSI pull-off Method: ASTM D3359 Result: Steel 5;	Corrosion Resistance: Method: ASTM D5894 Result: Pass (1008 hours)
Coverage Hide: Method: MPI 79 Result: >Pass (Gray>94; Red Oxide >99)	Water Resistance: Method: MPI 79 Result: >Pass
Flexibility: Method: ASTM D522 (1/4" Mandrel) Result: Pass (180° bend, 1/4" mandrel)	

SKU INFORMATION:

Gray: 708298
Red Oxide: 708295

PRODUCT WEIGHT:

Gray: 11.71 lb. per gallon
Red Oxide: 12.24 lb. per gallon

FEATURES/BENEFITS:

- High Solids
- Anti-Corrosive
- Chemical Resistant
- Moisture Resistant
- Rust-Inhibitive
- Excellent Adhesion
- Excellent Weathering
- Quick Dry for Production Efficiency
- Low Temperature Application
- Wide Application Window
- Flexible on Metal Substrates
- Direct to Metal Application
- Easy Application

MARKETS / END-USES:

- Duct Work
- Piping
- Food Processing Areas
- Hospitals
- Industrial Maintenance
- Industrial Machinery
- Farm Machinery
- Plant Maintenance
- Power Facilities
- Processing Equipment
- Sheet Metal & Plates
- Storage Tank Exteriors
- Structural Steel
- Corrugated Metal Roof Deck
- Commercial Transport
- Dry Goods Containers
- Metal Refuse Containers
- Water & Wastewater Facilities
- Cranes
- Miscellaneous Metals

SUBSTRATES:

Properly Prepared Interior/Exterior:
• Ferrous Metals
• Previously Painted Surfaces

NOTE: NOT for use on galvanized steel





TECHNICAL DATA SHEET

Commercial • Industrial • Residential

COVERAGE INFORMATION

VOLUME Solids	48% Gray 49% Red Oxide
WEIGHT Solids	69% Gray 71% Red Oxide
Finish: Gloss (@60°) Sheen (@85°)	< 5; Flat N/A
Applied Coverage	770 Sq. ft. /gal at 1.0 mil Dry Film Thickness assuming 100% transfer efficiency Note: Actual coverage will vary dependent on substrate/surface profile and application method, i.e. - mil thickness, application technique and type of spray tip, amount of fallout, etc. Please contact your Sales Representative for specific project recommendations
Shelf Life	Maximum Shelf Life of 2 years when stored in unopened containers. Subject to re-inspection
Storage Requirements	Store indoors at 40F – 90F. Keep from Freezing! Store in a Well-Ventilated place. Keep cool. STORE LOCKED UP!

APPLICATION PARAMETERS

Relative Humidity Restrictions	Do not exceed 85% during application or curing phase
Minimum Application Temperature (Air, Surface & Substrate)	40F <i>Note: Temperature must be 5F above Dew Point Temperature</i>
Maximum Application Temperature (Air, Surface & Substrate)	100F
In Service Temperature Limits:	
CONTINUOUS	175F
INTERMITTENT	225F
Flash Point	95F
Application & Curing Information – DRY Time	At 77F & 50(±5)% Relative Humidity Tack Free: 45 mins DRY To Handle: 2 hours HARD Dry: 3 hours Note: Film thickness, temperature, humidity and air movement will affect dry/cure times.
Application & Curing Information – RECOAT Time	At 77F & 50(±5)% Relative Humidity MINIMUM Recoat: 1 hour MAXIMUM Recoat: Indefinite NORMAL: 4 hours Note: Film thickness, temperature, humidity and air movement will affect dry/cure times.
Technical Notes	<ul style="list-style-type: none"> • This coating is not approved for immersion service • For mild to moderate atmospheric exposure • Not recommended for severe chemical exposure • This coating should not be used on roofs or decks where water puddling is likely

COATING RECOMMENDATION:

- Superior performance will result from properly preparing the Surface
- Depending on the depth of the profile, more than one coat of primer may be required to achieve the required Dry Film Thickness
- To minimize flash rusting, 2 coats may be required, when applying over bare or rusted steel during conditions of high humidity or cool temperatures
- Allow complete cure between coats
NOTE: Air, surface and product temperature must be at 50F-95F during application and drying

MIXING:

- Mix well before using
- Stir thoroughly to a uniform consistency before & during use
- Keep containers tightly sealed when not in use

THINNING/REDUCERS:

- Use 799260/Synthetic Reducer or 799267/Xylol

APPLICATOR INFORMATION:

BRUSH: Good Quality Natural Bristle

ROLLER COVER: 1/4" - 3/8" nap Synthetic Roller depending on the degree of texture of the surface to be painted

AIRLESS SPRAY: Up to 3000 psi Pressure and .013 .019 Tip

AIR ASSISTED AIRLESS SPRAY: 2500 psi Min Fluid Capability, 30 - 50 psi Atomizing Air and .013 .019 Tip

NOTE: Lap marks may be visible. Use solvent resistant equipment. Use 799249/Flow Thinner for brush/roll application and as an additive to prevent dry spray. Brush/Roller application may be used for stripe coating of welds, edges and touch up.

CLEANING:

To avoid the blockage of spray equipment, clean equipment before use or before any periods of extended downtime with Synthetic Reducer/799260

Clean spills and application tools immediately after use

After use, flush the Spray tools with a compliant solvent to prevent any rusting of the equipment

NOTE: Follow Equipment manufacturer's safety & cleaning recommendations and the safety recommendations for using solvents



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



Formulated and Manufactured in Portland, Oregon, USA



Commercial • Industrial • Residential

SUBSTRATES AND SURFACE PREPARATION

SURFACE PREPARATION IS IMPORTANT - All surfaces must be of uniform porosity, clean, dry and free of mildew, oils, grease, chalk, soap film, sanding dust, mill scale, weld spatter, wax or any other foreign contaminant that can affect the adhesion.

- Remove all loose or peeling material from previously painted surfaces
- Wash with an appropriate cleaner/mild detergent and water solution to remove any contaminants as needed, rinse thoroughly and allow to dry
- Wash with a cleaner such as JOMAX or bleach/water (1:3) solution - Apply the solution, scrub the mildewed area, allow solution to remain on the surface for 10 minutes, rinse thoroughly and allow to dry
- Repair all surface imperfections, holes and other voids with appropriate patching compound as required.
- On glossy or smooth surfaces, scuff sand using appropriate sandpaper to provide a uniformly dulled appearance
- Remove all sanding dust and debris prior to painting
- Do not apply at ambient or substrate temperatures below 40F... Temperature **must be** 5F above Dew Point Temperature
- Improper surface preparation and cleanup can compromise the longevity of the application

FERROUS SURFACES:

- Clean metal of any contaminants by pressure washing with detergent or solvent wiping per SSPC-SP-1 methods.
- 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... preferred.

NOTE: Always do test patch before top coating with strong solvent-containing paints such as epoxies and urethanes. Variability in solvent type, film thickness and dry conditions can affect the performance. Observe a small area that has been top coated for 15 - 20 minutes to see if lifting or gloss loss is likely to occur.

PRE-PAINTED SURFACES:

- Wash with a mild detergent and water solution to remove contaminants as needed.
- Rinse thoroughly, allow to dry, and then, if needed due to a glossy or hard smooth surface, scuff sand using 100 - 220 grit sandpaper as appropriate. Remove all sanding dust.
- When priming difficult substrates such as, factory siding/Kynar, fluorocarbon or baked polyester polymers the adhesion must be confirmed using test patches.
- Allow test patches one week of dry time before testing adhesion to ensure proper cure.
- Confirm using ASTM 3359 Method A X-cut Tape Test method with results of 4A - 5A prior to proceeding with application.

SYSTEM RECOMMENDATIONS:

Contact your Rodda Paint Representative for any surface prep related questions or any system recommendations.

WARNING! If you scrape, sand or remove old paint from any surface 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. Carefully clean up with a wet mop or HEPA vacuum. For additional information on surfaces that may contain lead paint, contact the U.S. EPA / Lead Information Hotline at 1.800.424.LEAD (5323).

SAFETY PRECAUTION

WARNING! Do not handle until **ALL Safety Precautions** have been read & understood.

Flammable Liquid & Vapor: Use only in a well ventilated area. Keep away from heat, hot surfaces, open flames, sparks. No smoking. In case of fire, use ABC-powder, carbon dioxide (CO₂) foam to extinguish. Keep out of reach of children.

Contains Harmful Vapors which may affect the brain/nervous system causing dizziness, headache or nausea. Can cause eye & skin irritation and may be harmful if absorbed through skin. Do not breathe mist, vapors, spray. Wash Skin and contaminated clothing thoroughly after handling

Use only with adequate ventilation.

NOTE: Repeated & prolonged occupational overexposure to solvents can cause permanent brain/nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

WARNING! Proper breathing PPE must be worn during application. Wear eye protection, face protection, protective clothing, protective gloves.

First Aid: If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention;

for skin, wash thoroughly with soap and water.

If swallowed, get medical attention.

If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

Please Refer to this Product's Safety Data Sheet (SDS) for the proper Health & Safety information – See your Rodda Paint Representative/Store for a copy of it or it can also be found on our website, www.rodmapaint.com





TECHNICAL DATA SHEET

LIMITATION OF LIABILITY

To the best of our knowledge, the technical data contained herein are true and accurate at the time of issuance but are subject to change without prior notice. We guarantee our product to conform to the specifications contained herein. All technical advice, recommendations and services regarding this product are rendered by the Seller gratis.

They are based on technical data which the Seller believes to be reliable and are intended for use by persons having skill and know-how, at their discretion and risk. Seller assumes no responsibility for results obtained or damages incurred from this product use by Buyer whether as recommended herein or otherwise. Such recommendations, technical advice or services are not to be taken as a license to operate under or suggest infringement of any patent.

WARRANTY

Rodda Paint Co. manufactures quality products and warrants its product to be free from defects in materials and workmanship. In the event that this product is defective or in any way unsuitable for the application for which it was sold, Rodda Paint Co. will REPLACE ANY PRODUCT PROVED TO BE DEFECTIVE free of charge OR REFUND THE ORIGINAL PURCHASE PRICE OF THE QUANTITY PROVED. This warranty is the only guarantee of quality made in respect of this product by Rodda Paint Co. By purchasing this product, the customer accepts this warranty in lieu of all others, and waives all claims to any other remedy arising from any warranty or guarantee of quality, whether such warranty or guarantee of quality was made expressly to the customer or implied by any applicable law.

TO BE DEFECTIVE – Requests for refund or replacement of product must be made in writing within one year from the original date of purchase. This Warranty does not apply to defects due, directly or indirectly, to misuse, abuse, negligent application, or acts of God.

Rodda Paint. WILL NOT BE LIABLE FOR DEATH, INJURIES TO PERSONS OR PROPERTY, OR FOR INCIDENTAL, CONTINGENT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING FROM THE USE OF OUR PRODUCT, INCLUDING DOWNTIME OR LOSS OF USE OF PRODUCT.

All data, statements, and recommendations made herein are based upon information we believe to be reliable, but are made without any representation, guarantee or warranty of accuracy. Our products are sold on the condition that the user themselves will evaluate them, as well as our recommendations, to determine the suitability for their own purpose before adoption. Also, statements regarding the use of our products or processes are not to be construed as recommendations for their use in violation of any patent rights or in violation of any applicable laws or regulations.

See your Rodda Sales Rep or Store Manager for Details

READ LABEL AND SAFETY DATA SHEET PRIOR TO USE!

