



TECHNICAL DATA SHEET

Commercial • Industrial • Residential

Interior/Exterior Waterborne Alkyd-Urethane Hybrid Enamel

Renaissance™

LOW GLOSS (44450 Series, previously 0345 Series)

SEMIGLOSS (45450 Series, previously 0311 Series)

DESCRIPTION

Renaissance is an Ultra-Premium, interior/exterior, Waterborne, Low VOC enamel that delivers an elegant alkyd/oil-like finish with exceptional performance. Formulated with an advanced Urethane-Alkyd hybrid resin technology, Renaissance combines the toughness & durability of an alkyd finish in an easy to use and easy to clean Waterbased formulation!

Designed with High Solids for outstanding adhesion, hide & coverage, Renaissance also offers exceptional washability & abrasion resistance and excellent weather resistance. Renaissance's Superior flow & leveling delivers an Elegant "Spray like" Finish while its good sag resistance makes it easy to apply by brush, roller or spray. Great touchup and gloss & color retention, makes Renaissance the perfect alternative for oil-based alkyd enamels.

Renaissance's Low Gloss matches the sheen level of a Melamine like finish laminate drawers, cabinet fronts and counter tops.

INTENDED USE:

- This 'Best in Class' product is **designed** for use on **interior & exterior surfaces** such as, properly prepared & primed Wood, Drywall, Plaster, Masonry and Metal
- Perfect for Wooden Doors, Moldings, Cabinets, Trim, Railings, Facias and Soffits
- Suitable for Ferrous & Non-Ferrous Metal substrates such as Railings, Handrails, Wrought iron, Metal doors, Shutters, Gutters, Downpipes and Garage doors
- Also good for fiberglass and other engineered wood or composite surfaces
- Ideal for use on high-end Commercial, Industrial and Residential projects where superior performance and durability are required

Coating Properties

| | | |
|--------------------------------------|--|--------------------------------------|
| Coating Category | Interior/Exterior Urethane-Alkyd Hybrid Enamel (Waterborne) | |
| Package Size | Available in Quarts , One gallon and Five gallon | |
| Viscosity | GL4/LOW GLOSS 93 – 98 KU's | GL5/SEMIGLOSS 90 – 95 KU's |
| MPI CERTIFICATIONS | GL4/LOW GLOSS #168 | GL5/SEMIGLOSS #169 |
| VOC | ALL <50.0 g/L LEED® v 4.1 VOC Compliant/ SCAQMD & OTC Standards CDPH Emissions Certified (Pending) | |
| Recommended Film Thickness per coat: | | |
| Wet Film | 3.2 – 4.5 mils | |
| Dry Film | 1.3 – 2.1 mils | |

Test Results (per MPI 168/169)

| | | |
|-------------------------|---|-----------------------------|
| COATING: | Renaissance Int/Ext Urethane-Alkyd Hybrid Enamel (Low Gloss, SemiGloss; White base) | |
| Substrate: Steel | Surface Preparation: MPI 168/169 Test method | |
| TEST/ATTRIBUTE | TEST METHOD | RESULT |
| Adhesion | ASTM D3359, Method B | Pass; 4B |
| Flexibility | ASTM D522, 180° bend, 1/4" mandrel | Pass |
| Hardness | ASTM D3363 | Pass, 4H |
| Block Resistance | ASTM D4946; 7 Days @ Room Temp @ 3 mils Wet | Low Gloss: 7 / SemiGloss: 5 |
| Water Resistance | ASTM D870 | Pass |
| Hide | MPI 168/169 | Pass; Ratio >98 |
| Burnish Resistance | MPI 168/169, 50 Burnish Cycles | Pass |
| Scrubbability | ASTM D2486, 4000 Scrub cycles (No shim, Non-abrasive media) | Pass |
| Cleansability | MPI 168/169, 1000 Cycles (Coffee 2.0Δe; Nigrosin 1.0Δe; Graphite 1.5Δe;) | Pass |

FEATURES:

- Toughness & Durability of an Alkyd finish
- Superior Flow & Leveling for an Elegant "Spray like" Finish
- Less Yellowing compared to traditional Alkyds
- Low VOC with Low Odor
- Exceptional Washability & Abrasion Resistance
- Outstanding Adhesion and Hide & Coverage
- Excellent Weather Resistance
- Great Touchup and Gloss & Color Retention
- Easy Water Cleanup

MARKETS / END-USES:

- Commercial
- New Home Construction
- Multi-Family
- Maintenance
- Residential
- Re-Paint
- Millwork & Molding
- Facilities (Hospitals, Schools, Institutions)

SUBSTRATES:

- Properly Prepared & Primed Interior:
- Gypsum Drywall
 - Plaster
 - Masonry – Brick, Pre-Cast, Cast-in-Place
 - Wood
 - Metals – Ferrous, Non-Ferrous

PRODUCT WEIGHT:

9.03 – 11.15 lb. per gallon (depending on the Finish & Base)

SKU / GLOSS INFORMATION:

GLOSS LEVEL 4 – Glossier appearance; Good cleaning properties; Ideal for higher traffic & moisture areas;

LOW GLOSS

White Base: 444501
Deep Base: 444503
Neutral Base: 444504

GLOSS LEVEL 5 – Higher Gloss, Maximum Durability; Good stain resistance/easy to clean; Ideal for Areas that Take a Lot of abuse and Higher Moisture areas;

SEMIGLOSS

White Base: 454501
Deep Base: 454503
Neutral Base: 454504

TINT COLORANT TYPE:

Universal/ZERO VOC Colorant

TINT LOAD CAPACITY:

Check with your Rodda Paint Store/Rep for tinting information



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



Formulated and Manufactured in Portland, Oregon, USA

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COVERAGE INFORMATION

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| VOLUME Solids – WHITE Base Variation by Base | Low Gloss 46% +/-5% | SemiGloss 42% +/-5% |
| WEIGHT Solids – WHITE Base Variation by Base | Low Gloss 59% +/-5% | SemiGloss 54% +/-5% |
| Finish: Gloss (@60°) Sheen (@85°) | Low Gloss 30 - 35 45 - 55 | SemiGloss 45 - 55 55 - 70 |
| Applied Coverage | 350-500 Sq. ft. /gal Note: Actual coverage may vary depending on substrate, application methods and specified wet and dry film thickness Coverage will be less on more porous or textured surfaces Please contact your Sales Representative for specific project recommendations | |
| Shelf Life | Maximum Shelf Life of 3 Years when stored in unopened container | |
| Storage Temperature | Store indoors at 40F – 90F. Keep from Freezing | |

APPLICATION PARAMETERS

| | |
|--|---|
| Relative Humidity Restrictions | Do not exceed 85% during application or curing phase |
| Minimum Application Temperature | 50F (substrate) |
| Maximum Application Temperature | 95F (substrate) |
| Application & Curing Information Dry to Touch (Tack Free): Dry to Recoat : | At 77F and 50% Relative Humidity: 1 hour 6 hours* Note: Film thickness, temperature, humidity and air movement will affect dry/cure times * Depending on film thickness, tint load & ambient conditions, it may take 7-10 days to reach final hardness; Some darker/Neutral base colors, can take up to 30 days to reach final hardness... Avoid exposing the coating to excessive abrasion or impact during this period. |
| Technical Notes | <ul style="list-style-type: none"> • Not Recommended for application when the relative humidity is above 85% • Ambient temperatures should be between 50 - 95F • Superior performance will result from properly priming (see Surface Preparation section) • Not Recommended For Floors. |

COATING RECOMMENDATION:

- Apply **two** coats over properly prepared surfaces

NOTE: Air, surface and product temperature must be at 50F-95F during application and drying

MIXING:

- Stir thoroughly to a uniform consistency
- For multiple containers, mix paint together for color consistency
- Approve Color Prior To Application

NOTE: Color chip approximates the color

THINNING/REDUCERS:

- NONE under normal environmental & application conditions
- In hot environments, it may be necessary to add clean tap water to improve performance/workability for spray use/application
- Use least amount of water (up to 4 oz/gallon) to provide desired workability

NOTE: Excessive reduction with water can reduce sag resistance during application

APPLICATOR INFORMATION:

BRUSH:

Use a Nylon-Polyester brush

ROLLER COVER:

Use a flocked foam or a 1/4" - 1/2" nap synthetic cover

AIRLESS SPRAY:

Pressure 1500 - 2,000 psi

Tip: .011 to .013

Back roll with spray application

HVLP SPRAY:

Cap Pressure 10 psi; 1.3 needle set

Back roll with spray application

CLEANING:

- Immediately wipe up any drips or spatters with a damp cloth
- Clean application tools immediately after use with warm soapy water and rinse thoroughly
 - If pausing for a break, wrap wet applicator in plastic wrap or seal in a poly bag
 - Prevent rusting of spray equipment – flush with a compliant cleanup solvent after cleaning

NOTE: Follow manufacturer's safety recommendations when using solvents





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SUBSTRATES AND SURFACE PREPARATION

SURFACE PREPARATION IS IMPORTANT - All surfaces must be of uniform porosity, clean, dry and free of mildew, grease, chalk, soap film, sanding dust or other contaminants

- Remove all loose or peeling material from previously painted surfaces
- Wash with an appropriate cleaner/mild detergent and water solution, rinse thoroughly and allow to dry
- Ensure all substrates to be coated are free of Mildew, Mold, Algae or other biological contaminants
 - 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 or elastomeric sealant.
- On glossy or smooth surfaces, scuff sand using appropriate sandpaper to provide a uniformly dulled appearance
- Remove all sanding dust and debris prior to priming and painting
- Do not apply at ambient or substrate temperatures below 50F
- Surface preparation and cleanup can compromise the longevity of the application

PVC BUILDING PRODUCTS:

- Repair all surface defects with proper patching compounds and allow to dry.
- Remove all sanding dust and debris prior to priming and painting.

FERROUS METAL:

- Clean metal of any contaminants by pressure washing or solvent wiping in accordance with SSPC-SP-1. At a minimum, power tool clean the metal per SSPC-SP-3 being careful not to polish the metal.
 - Wire Wheeling should be avoided to prevent polishing the metal
- Properly prepared metal surface should have appropriate sharp & angular profile for the paint to mechanically bond.
- All corrosion must be removed with sandpaper, wire brush or other abrasion method.
- Prime all properly prepared ferrous metal with suitable primer after proper surface preparation to prevent flash rusting and improve adhesion performance.

NON-FERROUS METAL & FIBERGLASS:

- Clean the metal/fiberglass surface of any contaminants such as oil, grease, mold release or dirt.
- At a minimum, scuff sand the metal or fiberglass surface with appropriate sandpaper to provide a uniformly dulled surface with adequate surface profile and remove sanding dust prior to priming.
- Apply a bonding primer suitable for the metal and fiberglass substrates.

SURFACE PREP FOR UNPAINTED CONCRETE & MASONRY:

- Remove all surface contamination, form release agents, moisture curing membranes, mildew, efflorescence, etc. by washing with an appropriate cleaner. Then rinse and allow to dry.
- Do not apply to damp or wet surfaces.
- Concrete or mortar needs to be cured approximately 30 days at 70F.
- Prime all properly prepared cementitious substrates with a suitable primer.
- For porous CMU substrates use appropriate block filler and back roll to fill voids.
 - Do not apply block filler to smooth surfaces as peeling may occur.

NEW OR BARE WOOD:

- Remove mill glaze and expose fresh wood cells prior to applying appropriate wood sealer or primer. Use chemical solution or sand with appropriate sandpaper.
- Remove sanding dust prior to application of sealer or primer.
- Seal with correct primer for wood substrates.

PRE-PAINTED SURFACES:

- Wash with a mild detergent and water solution. Rinse thoroughly, allow to dry thoroughly.
- All glossy or hard smooth surfaces should be scuff sanded using appropriate sandpaper to provide a uniformly dull appearance on all substrates.
- Remove all sanding dust prior to priming... Prime all bare substrates with a suitable primer prior to painting.

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)**.

PRIMER RECOMMENDATION:

- For **optimal** hide and color representation use Rodda Paint's 501601 PrimeSolutions First Coat Primer or a suitable primer for the substrate
- For **drastic** color changes it is **imperative** to use a coat of gray based primer for the best hide performance and color representation

Gypsum Wallboard:

501601 Prime Solutions First Coat Primer, 503601 Master Painter ZERO Roseal Primer or suitable primer

Ferrous Metal (Steel, Iron):

4087 Series Metal Master Primer, 7082 Series Barrier III HS Metal Primer

Galvanized Metal:

4087 Series Metal Master Primer, 501601 Prime Solutions First Coat Primer

Non-Ferrous Metal (Aluminum):

83020 ClovaPrep Epoxy, 83060 Vinyl Wash Primer or 501601 Prime Solutions First Coat Primer

Rusted Metal:

Corroseal Rust Converter or 7082 Series Barrier III HS Metal Primer

Fiberglass, Doors, PVC Building Products:

501601 Prime Solutions First Coat Primer or suitable bonding primer

Concrete, New Masonry, New Masonry Block, Plaster:

501601 Prime Solutions First Coat Primer or 512301 pHlex-tite Primer

Porous Masonry Block:

Fill voids with 501901 Sprayable Block Filler

Dry New Wood, Plywood T-111:

402001 Unique II Undercoater (Interior); 501601 Prime Solutions First Coat Primer (Exterior)

NOTE: If tannin staining appears on cedar/redwood, apply a 2nd coat of PrimeSolutions First Coat Primer and allow to dry thoroughly (24-48 hours) before top coating

CAULKING RECOMMENDATION:

- Repair surface using an appropriate filler – make sure to fill cracks, holes, voids and any irregularities
- Fill all gaps between windows, doors, trim, etc. with the appropriate caulk
- Allow the Caulk to dry as per the appropriate drying time before application of the paint
 - RODDA PROPlus Silicized Acrylic Sealant
 - Pro Stretch Acrylic Urethane Elastomeric Sealant





TECHNICAL DATA SHEET

NOTE: Check with your Rodda Paint store or Sales Representative for specific advice

SAFETY PRECAUTION

Safety Precautions: For detailed information please refer to this product's safety data sheet (SDS) – A copy of which can be found on our website, www.rodmapaint.com under Products/Product Data Sheets and SDS

First Aid: In case of eye contact, flush immediately with plenty of water for at least 15 minutes. Wash contaminated skin with soap and water. If ingested, call physician or the Poison Control Center immediately.

UPDATES/AMENDMENTS

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

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.

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See your Rodda Sales Rep or Store Manager for details.

READ LABEL AND SAFETY DATA SHEET PRIOR TO USE!



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