



TECHNICAL DATA SHEET

Commercial - Industrial - Residential

Interior/Exterior Acrylic Enamel

Unique II®

LOW GLOSS (44200 Series) - **LOW VOC**

SEMIGLOSS (45200 Series) - **LOW VOC**

GLOSS (46200 Series)

DESCRIPTION

Unique II is a premium, 100% acrylic, interior/exterior enamel delivering high performance and versatility... A **Proven Performer** that EXCEEDS expectations on delivering a Quality Finish.

Formulated for **excellent** adhesion with **outstanding** block resistance and touch-up properties, Unique II enamels provide **exceptional** hide, coverage and gloss & color retention as well as **low odor** during application with minimal spatter. Additionally, Unique II enamels are stain & mildew **resistant**, easily washable and **resist** cracking & deterioration with age for **greater** long-term service life.

While The Unique II Low Gloss/**GL4** and SemiGloss/**GL5** are **Low VOC** formulas, **all 3** Unique II finishes are **designed** to offer **superior interior** performance, including over aged alkyds, yet remain **flexible** for **exterior** application on doors, siding, fascia and trim and can be applied down to 40F.

Unique II enamels are easy to apply with brush, roller or sprayer and can be complimented with the Unique II Enamel Undercoater for a durable finish on woodwork.

INTENDED USE:

- This **'Best in Class'** product is **designed** for Professional Contractors and DIYers alike, looking for a premium, durable enamel finish for usage on all **interior & exterior** surfaces such as, properly prepared & primed wood, trim, siding, masonry, brick, concrete, cement, stucco, plaster, EFIS, fiber cement composite, gypsum wallboard, vinyl and pre-painted aluminum siding. This product can also be used on properly primed metal surfaces like gutters and downspouts. Great choice for high traffic areas, kitchen & bathroom walls, millwork and doors, including front doors & trim. MPI approved and Exceptionally suited for commercial projects where formal industry quality approvals are required. An excellent choice for all residential and commercial painting projects. Versatile and efficient for Commercial Property Maintenance. NOT for Cabinets.

COATING PROPERTIES

Coating Category	Acrylic Enamel
Package Size	Available in Quart can, One gallon can, Five gallon pail
Viscosity (Mixed) - KU	94 – 110 KU's , depending on the Base
Recommended Film Thickness (per coat):	
Wet Film	4.4-6.0 mil
Dry Film	1.5-2.0 mil

TEST RESULTS

Coverage Hide:

Method: MPI 7.6 Test
Result: > Pass; 98%

Flexibility:

Method: ASTM D522 (1/4" Mandrel)
Result: Pass; 1/4" bend

Sag Resistance:

Method: ASTM D4400
Result: Pass; 12 – 24 mils

Burnish Resistance (NOT FOR GLOSS):

Method: MPI 7.9 Test
Result: Pass; <2 unit change in 85° sheen

Biological Growth:

Method: ASTM D3273
Result: Pass; < 1+

Mildew & Mold Resistant: This coating contains a Biocide and Mildewcide package which inhibits the growth of fungi, mildew and mold on the surface of this coating film.

NOTE: All Test Results are based on White Base

Spatter Resistance:

Method: ASTM D4707
Result: Excellent

Alkali Resistance:

Method: 5% Sodium Hydroxide over 2 hours
Result: Pass

Scrub Resistance:

Method: ASTM D2486
Result: Pass; >2500+ Cycles With No Shim, Non-Abrasive Media

Washability/Cleanability (NOT FOR GLOSS):

Method: MPI 7.10 Test
Result: Pass
Coffee <2.0 Δe
Nigrosine <1.0 Δe
Graphite <1.5 Δe

CERTIFICATIONS:

MPI Approved – #15 & 140/Low Gloss; #11 & 141/SemiGloss; #114 & 119/Gloss

MARKETS / END-USES:

- Commercial
- New Home Construction
- Multi-Family
- Maintenance
- Residential
- Re-Paint
- Facilities
- Education
- Warehouses

SUBSTRATES:

Properly Primed:

- Wood Siding – Clapboard, Shingles, Shakes
- Int/Ext Wood - Trim, Doors, Frames
- Plywood – T-111, OSB
- Int/Ext Masonry – Brick, Pre-Cast, Cast-in-Place
- Fiber Cement Composite – Siding, Panels
- Stucco – EFIS, Traditional
- Int/Ext Metals – Ferrous, Non-Ferrous
- Vinyl

PRODUCT WEIGHT:

10.44 lb. per gallon/Low Gloss
10.31 lb. per gallon/SemiGloss
10.26 lb. per gallon/Gloss

GLOSS LEVEL:

GL4 = Low Gloss - Ideal for Trim & Doors; Higher-traffic surfaces & areas with moisture (kitchens, bathrooms); Highly washable & scuff resistance;
GL5 = SemiGloss - Ideal For Walls, Trim & Doors; Higher-traffic surfaces & areas with moisture (kitchens, bathrooms); Highly washable;
GL6 = Gloss - Ideal For Walls, Trim, & Doors; High traffic areas & surfaces; Most dramatic look on walls; Can highlight surface roughness; Highly washable;

SKU# & VOC INFORMATION:

LOW GLOSS: <50 g/L*

442001– White Base
442011– Hi-Hide White Trim Enamel
442003– Deep Base
442004– Neutral Base

SEMIGLOSS: <50 g/L*

452001– White Base
452003– Deep Base
452004– Neutral Base

GLOSS: <150 g/L*

462001– White Base

* Without Tint colorant; Tinting with colorants changes the VOC

TINT COLORANT TYPE:

Universal Colorants

TINT LOAD CAPACITY:

Check with your Rodda Paint store or sales representative for information



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COVERAGE INFORMATION

	Low Gloss	Low Gloss	SemiGloss	Gloss
Mixed Volume Solids (May vary by Base & Color)	36% +/-2%	37% +/-2%	35% +/-2%	34% +/-2%
Mixed Weight Solids (May vary by Base & Color)	49% +/-2%	49% +/-2%	48% +/-2%	47% +/-2%
Finish:	Low Gloss	Low Gloss	SemiGloss	Gloss
Gloss @ 60°	25-35/GL 4	25-35/GL 4.	45-55/GL 5	75 – 85/GL 6
Sheen @ 85°	NA	NA	NA	N/A
Coverage	544 - 562 Sq. ft. at 1.0 mils dry film thickness Actual Coverage of 275-380 Sq. ft./gal Note: Actual coverage may vary depending on substrate, texture, application methods, and specified dry film thickness 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 Temperature	Store indoors at 40-90F. Keep from freezing!			

APPLICATION PARAMETERS

Relative Humidity Restrictions	<p>Do not exceed 85% during application or curing phase</p> <ul style="list-style-type: none"> Not Recommended for application when the relative humidity is above 85% or when surface and substrate will be subjected to temperatures less than 40F Temperature must be 5F above Dew Point Temperature
Minimum Application Temperature (substrate)	40F
Maximum Application Temperature (substrate)	90F
Application & Curing Information	<p><u>At 75F and 50% Relative Humidity:</u></p> <p>Dry to Touch: 30 mins Dry to Recoat: 4 hours</p> <p>Note: Film thickness, temperature, humidity and air movement will affect dry/cure times</p>
Technical Notes	<ul style="list-style-type: none"> This coating is Not Formulated for Immersion Service or a Continuous High Moisture Environment Ensure <u>enclosed/interior</u> areas are adequately ventilated during curing phase to prevent excessive humidity build up which can affect sag resistance/cure Superior performance will result from priming (see surface preparation section) This coating is Not Recommended For Cabinets or Floors

COATING RECOMMENDATION:

- For best performance, **2** coats are recommended over properly prepared & primed surfaces

MIXING:

- Stir thoroughly to a uniform consistency
- For multiple containers, mix paint together for color consistency
- Approve color prior to application – color chip approximates the color

THINNING/REDUCERS:

- Ideally do not thin
 - In Hot, Dry environments, it can be thinned with up to 5% clean/potable tap water to improve performance/workability, especially for spraying - Use least amount of water to provide desired workability
- NOTE:** Excessive reduction can reduce sag resistance during application

APPLICATOR INFORMATION:

BRUSH:

Use a nylon/polyester brush

ROLLER COVER:

Use a 3/8" – 3/4" nap synthetic cover depending on the degree of texture of the surface to be painted

AIRLESS SPRAY:

Pressure 2,000 psi
Tip: .015 to .019
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:** Make sure to follow the 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 1:3 bleach/water solution - Apply the solution, scrub mildewed area, allow solution to remain on the surface for 10 minutes, rinse thoroughly and allow to dry
- Repair all cracks, holes and other voids with an elastomeric patch or elastomeric sealant.
- On glossy or smooth surfaces, scuff sand using appropriate sandpaper to provide a uniformly dulled appearance
- Remove all sanding dust, scraped, sand-peeled and checked paint prior to painting
- Confirm the Substrate is dry and 5F above the Dew Point Temperature to prevent moisture condensation on surface before application and during the cure phase
- Do not apply at ambient or substrate temperatures below 50F
- Surface preparation short of total removal and cleanup will compromise the longevity of the application

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 painting.
- Apply a bonding primer suitable for the metal being painted if mechanical surface preparation is not possible.

SURFACE PREP FOR UNPAINTED 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.
- 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.
- Prime with suitable primer after proper surface preparation to improve adhesion performance.

NEW OR BARE WOOD (INTERIOR/EXTERIOR):

- 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.
- Woods known to contain soluble stains, such as tannins in cedar and redwood must be primed with Rodda Stain-Blocking primers, such as #501601 First Coat Primer or #701501 Exterior Control Primer
- Seal with suitable primer. For interior Millwork, #502001/Unique II Undercoater is recommended.

PRE-PAINTED SURFACES:

- Wash with a cleaner to remove surface contaminants. 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 painting.

VINYL/PVC BUILDING PRODUCTS:

- Scrub surface thoroughly with warm, soapy water, rinse properly, prime with the appropriate primer.
 - Darker colors with Light Reflective Value (LRV) <56 could cause vinyl to warp.
- NOTE:** Vinyl siding should only be repainted with light colors to help avoid warping/buckling – avoid painting with colors darker than the original color. See and follow all siding manufacturer's guidelines and recommendations - Straying from manufacturer's painting guidelines could cause the warranty to be voided.

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 drastic color changes it is imperative to use a coat of primer for the best hide performance and color representation

Steel (Ferrous Metal):

408701/Metal Master Primer,
708225/Barrier III HS Metal Primer

Galvanized Metal:

408701/Metal Master Primer,
501601/PrimeSolutions First Coat Primer

Aluminum (non-ferrous metal):

83020/ClovaPrep Epoxy Sealer,
83060/ClovaPrep Vinyl Wash Primer,
501601/PrimeSolutions First Coat Primer

Rusted Metal:

82331/Corroaseal Rust Converter,
708225/Barrier III HS Metal Primer

Fiberglass, Doors, Vinyl Siding:

501601/PrimeSolutions First Coat Primer or suitable bonding primer

Concrete, Cement Composition

Siding/Panels, New Masonry,

New Masonry Block, Brick,

Stucco:

PrimeSolutions First Coat Primer,
pHLEX-TITE Elastomeric Primer or
Surf Bond II Primer

Porous Masonry Block:

Fill voids with 501901/Sprayable
Block Filler

Interior Dry New Wood:

502001/Unique II Undercoater

Exterior Dry New Wood,

Plywood T-111:

501601/PrimeSolutions First Coat
Primer, 701501/PS Control Primer

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

Interior Gypsum Wallboard:

403601/MasterPainter ZERO Roseal
Primer

Exterior Gypsum Wallboard

(protected areas):

501601/PrimeSolutions First Coat
Primer

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 Siliconized Acrylic Sealant (4-6 hrs)
 - Pro Stretch Acrylic Urethane Elastomeric Sealant (4-6 hrs)

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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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