



Commercial • Industrial • Residential

## Exterior Acrylic Latex Bonding Primer

### **PROTECTOR XL-100 EXTERIOR PRIMER**

(402201/White)

#### **DESCRIPTION**

Protector XL-100 Exterior Primer is a Premium, 100% Acrylic, Fast-drying, Low VOC, Bonding primer designed for exterior use over a variety of surfaces.

Formulated for Superior Hide & Coverage with High Alkali resistance Protector XL-100 Exterior Primer offers Tenacious Adhesion and helps to even out the surface porosity prior to application of a topcoat. Designed to be applied down to 35F, it is pH tolerant up to 13.0 on masonry, contains a stain blocker to resist staining on redwood or cedar and it also has low-odor properties.

Tintable to a wide range of colors to facilitate topcoat coverage, Protector XL-100 Exterior Primer is the essential exterior primer for Professionals and Homeowners alike...It can be top-coated with a latex or alkyd-oil coating.

#### **INTENDED USE:**

This 'Best in Class' product is **designed** for usage on properly prepared **exterior surfaces** such as new or previously painted wood, trim, siding, masonry, brick, concrete, cement, stucco, plaster, EFIS, fiber cement composite, gypsum wallboard, vinyl, hardboard and aluminum siding. This product can also be used on properly prepared galvanized steel, aluminum and metal surfaces like gutters & downspouts.

- Seals in tannin-bleed in wood when allowed to dry properly (Follow application guidelines)
- Ideal for Residential and Commercial projects, including New Home Construction

#### **COATING PROPERTIES**

Coating Category	Acrylic Latex
Package Size	Available in <b>ONE</b> gallon and <b>FIVE</b> gallon containers
VOC	< 50 g/L * Without Tint colorant; Tinting with colorants changes the VOC
Viscosity (Mixed) - KU	94 – 98 KU's
Recommended Film Thickness (per coat):	
Wet Film	4.0 – 4.6 mil
Dry Film	1.7 – 1.9 mil

#### **TEST RESULTS**

##### **Tannin Blocking:**

Method: ASTM D6686  
Result: Pass (< Δ 0.50) with 2 coats

##### **Coverage Hide:**

Method: MPI methods  
Result: >95

##### **Flexibility:**

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

##### **Sag Resistance:**

Method: ASTM D4400  
Result: > 12 mils

##### **Stain Blocking:**

Method: MPI #137  
Result: Pass (< Δ 1.0)

**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.

##### **Spatter Resistance:**

Method: ASTM D4707  
Result: Excellent

##### **Enamel Holdout:**

Method: MPI Methods  
Result: Pass

##### **Alkali Resistance:**

Method: MPI#3 & 137  
Result: Pass

##### **Adhesion:**

Method: ASTM D3359  
Result: 5B and greater; 0B for Galvanized

##### **Biological Growth:**

Method: MPI #6/ASTM D3273  
Result: Pass

#### **CERTIFICATIONS:**

MPI Approved – #3, #6, #17, #134, #137

Meets **National Green Building Standard, SCAQMD, CARB SCM 2020, NGBS** and **LEED v.4.1 VOC** restrictions

#### **MARKETS / END-USES:**

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

#### **SUBSTRATES:**

Properly Primed:

- Wood Siding – Clapboard, Shingles, Shakes
- Plywood – T-111, OSB
- Masonry – Brick, Pre-Cast, Cast-in-Place
- Fiber Cement Composite – Siding, Panels
- Stucco – EFIS, Traditional
- Metals – Non-Ferrous, Galvanized Steel
- Vinyl

#### **PRODUCT WEIGHT:**

10.45 lb. per gallon

#### **TINT COLORANT TYPE:**

Universal Zero VOC Colorant

#### **TINT LOAD CAPACITY:**

May add up to 5 ounces per gallon of colorant... Check with your Rodda Paint store or Sales Representative for tinting information





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## COVERAGE INFORMATION

Mixed Volume Solids (May vary by Base & Color)	41%
Mixed Weight Solids (May vary by Base & Color)	53%
Finish:	<b>PRIMER</b>
Gloss	8-15 @ 60°
Sheen	N/A @ 85°
Theoretical Coverage	664 Sq. ft. /gal at 1.0 mils dry film thickness <b>Note:</b> Actual coverage may vary depending on substrate, application methods, and specified dry film thickness
Applied Coverage	350-400 Sq. ft. /gal <b>Note:</b> Actual coverage may vary depending on substrate, application methods, and specified dry film thickness Please <b>contact</b> your Sales Representative for <b>specific</b> project recommendations
Shelf Life	<b>Maximum Shelf Life</b> 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	<b>Do not exceed</b> 85% during application or curing phase <ul style="list-style-type: none"> <li>Not Recommended for application when the relative humidity is above 85% or when surface and substrate will be subjected to temperatures &lt;35F</li> <li>Temperature must be 5F above Dew Point Temperature</li> </ul>
Minimum Application Temperature (substrate)	35°F
Maximum Application Temperature (substrate)	95°F
Application & Curing Information	<b><u>At 77F and 50% Relative Humidity:</u></b> Dry to <b>Touch:</b> 30 mins Dry to <b>Recoat (Primer):</b> 4 hours Dry to <b>Recoat (Stain Sealer):</b> 24 hours <b>Note:</b> Film thickness, temperature, humidity and air movement will affect dry/cure times
Technical Notes	<ul style="list-style-type: none"> <li>This coating is <b>Not Formulated</b> for Immersion Service or a Continuous High Moisture Environment</li> <li><b>Not Recommended for application</b> when the relative humidity is above 85% or when surface will be subjected to temperature &lt;35F</li> <li>Superior performance will result from proper Surface Preparation</li> <li><b>FOR EXTERIOR USE. Not Recommended For Floors.</b></li> </ul>

## COATING RECOMMENDATION:

Apply **ONE** coat over properly prepared surfaces; **TWO** coats are recommended for Tannin blocking protection

**NOTE:** Air, surface and product temperature must be at 35F-95F during application and drying.

**DO NOT** paint if snow or freezing temperatures are expected within 24 hours.

Painting in direct sun **could cause** lap marks and blistering.

## MIXING:

- Stir thoroughly to a uniform consistency

## THINNING/REDUCERS:

- Ideally do not thin
- In Hot, Dry environments, it may be necessary to add clean potable tap water to improve performance/workability for spraying.
- Use least amount of water to provide desired workability

**NOTE:** Excessive reduction can affect the stain blocking properties and 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, mold, oil, 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/80-120 grit sandpaper to provide a uniformly dulled appearance
- Remove all sanding dust, scraped, sand-peeled and checked paint prior to painting
- Do not apply at ambient or substrate temperatures below 35F
- Surface preparation short of total removal and cleanup will compromise the longevity of the application
- Prime the entire surface rather than spot priming for a uniform appearance of the final coat and to avoid any holdout issues

### **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/80-120 grit sandpaper to provide a uniformly dulled surface with adequate surface profile. Remove all sanding dust.

### **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.

### **NEW OR BARE WOOD:**

- Remove mill glaze and expose fresh wood cells prior to applying appropriate wood sealer or primer. Use a chemical solution or sand with appropriate sandpaper.
- Remove all sanding dust.

### **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/80-120 grit sandpaper to provide a uniformly dull appearance on all substrates.
- Remove all sanding dust.

### **VINYL/PVC BUILDING PRODUCTS:**

- Scrub surface thoroughly with warm, soapy water, rinse properly.
- All glossy or hard smooth surfaces should be scuff sanded using appropriate/80-120 grit sandpaper to provide a uniformly dull appearance on all substrates.
- Priming & Top coating with darker colors that have Light Reflective Value (LRV) <56 could cause vinyl to warp.

***NOTE:*** Vinyl siding should only be primed & repainted with light colors to help avoid warping/buckling – avoid using 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)**.

### **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)

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





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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 obtained from your Rodda Paint Store/Sales Rep or found on our website, [www.rodmapaint.com](http://www.rodmapaint.com)

**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 contact your Rodda Paint Store/Sales Rep or visit [www.rodmapaint.com](http://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.

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!**



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Page 4 of 4  
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