

# PRODUCT DATA SHEET Prod. #56

PROD. #56 SIGNATURE SERIES WATERBORNE EPOXY ESTER BONDING LIQUID



## **PRODUCT DESCRIPTION**

Signature Series Waterborne Epoxy Ester Bonding Liquid is a premium surface sealer/conditioner specially formulated from special water dispersed epoxy-ester resins. It is designed for application to previously painted substrates that have a medium to heavy chalk residue or dust after it has been properly pressure washed. Its special formulation penetrates the chalky surface area, wets and binds the loose residual chalk, thus sealing the surface area and providing a more suitable surface for the application of both vinyl acrylic and 100% acrylic paint coatings.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES		VOC COMPLIANCE	
<ul> <li>Waterborne Epoxy Ester</li> </ul>	Suitable for the following properly prepared surfaces;	Product Quality:	Premium	AIM	Yes
Formulation	INTERIOR / EXTERIOR	Product Use:	Interior / Exterior	отс	No
<ul> <li>Penetrates &amp; Seals</li> </ul>	New & Painted – Masonry, Stucco, Plaster,	Application:	Brush, Roller Cover,	CARB	No
<ul> <li>Binds Loose Chalk &amp; Dust</li> </ul>	Concrete Block, CMU, Brick, Poured Concrete,		Airless Spray	SCAQMD	No
Tintable	etc.	Product System:	Water-Based	MPI #	No
<ul> <li>Fast Dry</li> </ul>	Previously Painted – Wood Siding, Trim,	Finish:	Semi-Gloss	LEED® 09CI	No
<ul> <li>Excellent Product Versatility</li> </ul>	Fencing			LEED® 09NC	No
Easy To Apply	Great For Both Interior & Exterior Use!			LEED® 09CS	No
				LEED® H	No

## SURFACE PREPARATION

General: The entire surface area to be painted should be clean, dry, sound, and free from dirt, grease, oils, waxes, mildew and any other surface contaminants that may adversely affect the performance of this coating material.

- Remove any loose, scaling, cracked or peeling paint from previously painted surfaces by hand scraping, sanding, wire brushing or by power tool cleaning methods, such as pressure washing, electric sanders or grinders, etc.
- For exterior surface areas, it is recommended to pressure wash the entire surface, painted or unpainted, using a unit with a minimum of 2000 psi of pressure to effectively remove dirt, excessive paint chalk, and loose paint scale.
- For metal surfaces, remove any loose rust, mill scale, rust deposits or white rust from metal surface by the same methods as described above.
- Repair/replace any damaged and/or delaminated surface areas with the proper patching and/or building materials. Allow all patching materials to dry thoroughly before application of paint coatings.
- Sand all rough paint edges smooth to adjacent surface area. It is recommended to sand all glossy surfaces to dull existing finish.
- Prime and/or spot prime all bare or new surface areas in accordance with label directions.

**Mildew** - Surface areas affected by mildew should be treated with a commercial mildew removal and/or wash product carefully following manufacturer's application and safety directions. Rinse thoroughly with clean water, and allow a minimum of 24 hours to dry thoroughly.

WARNING! If you scrape, sand or remove old paint, 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. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how you can protect
yourself and your family by contacting the National Lead Information Hotline at 1-800-424-Lead, or log onto
www.epa.gov/lead.

## PRODUCT ANALYSIS DATA

PIGMENT: 0.00%

VEHICLE: 100.00%

MORE DETAILED PRODUCT ANALYSIS DATA IS AVAILABLE UPON REQUEST.

## TECHNICAL DATA

- COLORS: Clear
- **TINTING:** Universal Colorants (Up to 2 oz. per Gallon)
- VEHICLE TYPE: Waterborne Epoxy Ester
- VISCOSITY: 45-50 Sec. / #2 Zahn Cup
- GLOSS @ 60°: Semi-Gloss / 35 70 units (Varies by Surface Porosity.)
- FLASH POINT: N/A
- VOC: Not to Exceed 400 g/l 3.36 lb/gal (Meets AIM Standards)
- SOLIDS: By Volume: 15.33% ± 2% By Weight: 16.99% ± 2%
- **COVERAGE:** 250 400 Sq. Ft. / Gal. (Depending on Application & Surface Porosity.)
- MIL FILM: Estimated @ 400 Sq. Ft. / Gal. Wet: 4.0 mils
   Dry: 0.6 mils
- DRY TIME: (@ 70° F & 50% Relative Humidity) To Touch: 1 - 2 Hours Recoat: 2 – 4 Hours, or after overnight dry.
- CLEAN UP: Warm Soapy Water
- THINNING: Clean Water

#### **RECOMMENDED FINISH COATINGS**

The following Richard's products are recommended finish coatings for this primer coating material. However, recommended Richard's finish coatings are not limited to the products listed below;

#### FLAT FINISHES

- 100, Signature Series 100% Acrylic Int./Ext. Flat House Paint
- 350, Rich Classic Int./Ext. Acrylic House Paint
- · 650, Rich Shield Premium 100% Acrylic Flat House Paint
- LO-LUSTER/EGGSHELL FINISHES
  - 130, Signature Series 100% Acrylic Lo-Luster House & Trim Paint
- 370, Rich Classic Acrylic Eggshell House & Trim Paint
- 630, Rich Wall Premium Latex Eggshell Enamel
- SATIN FINISHES
  - 360, Rich Classic Acrylic Satin House & Trim Paint
  - 400, Signature Series 100% Acrylic Satin House & Trim Paint
  - 640, Rich Shield Premium 100% Acrylic Satin House & Trim Paint
- <u>SEMI-GLOSS FINISHES</u>
  - 380, Rich Classic Acrylic Semi-Gloss Enamel
  - 680, Rich Shield Premium 100% Acrylic Semi-Gloss Enamel
  - 750, Signature Series 100% Acrylic Semi-Gloss Enamel
- GLOSS FINISHES
- 200, Signature Series 100% Acrylic Gloss House & Trim Paint
- · 660, Rich Shield Premium100% Acrylic Gloss House & Trim Paint

#### **APPLICATION EQUIPMENT**

- Brush Application: Apply using a quality nylon, polyester, or combination nylon/polyester bristle brush.
- Roller Application: Apply using a 3/3" 1" nap synthetic or lamb's wool roller cover, depending on the texture and surface porosity.
- Airless Spray Application:
  - Pump: Graco GM3000/495ST Wagner EP2300
  - **Tip:** 0.013 0.015 Reversible
  - Pressure: Minimum 2000 psi
  - Hose: 1/4 inch (6.3 mm) 3/8 inch (10 mm)

#### PACKAGING & WEIGHT PER GALLON

 Packaging: Quarts – N/A 2 Gallons – N/A Gallons – 4/case 5 Gallons - Each

• Weight Per Gallon: 8.33 lbs.

# **CLEAN UP & THINNING INSTRUCTIONS**

**Clean Up:** Clean up any minor spills and spatters immediately with warm soapy water, as well as all painting tools and airless equipment. More serious paint spills should be contained and removed with inert absorbent material. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state and federal regulations.

**Thinning:** Stir thoroughly and apply as it comes from the container. Thinning is not necessary. However, if thinning is required, you may add clean water up to  $\frac{1}{2}$  pint per gallon.

# PRODUCT APPLICATION – General

Signature Series Waterborne Epoxy Ester Bonding Liquid may be easily applied with a quality brush, roller cover, or airless spray equipment as follows;

- Stir thoroughly in a spiral up and down motion before and during application to keep product completely mixed.
- When applying by brush, apply a smooth and generous coat on smaller surface areas, such as cutting-in larger surfaces and painting trim.
- When applying by roller cover, apply an even and generous coat in a "W" or crisscross motion, avoiding any excessive respreading or reworking.
- When applying by airless spray equipment, use a unit with a minimum of 2000 psi of pressure, with a 0.013 – 0.015 fluid spray tip.
- During spray application, it is recommended to back-roll the surface area to ensure proper adhesion, an even coat application, and to effectively work primer coating into surface pores.
- Do not stay in one place, or product will start to build a glossy sheen as it dries.
- Maintain a wet edge during application by brushing, rolling or spraying into previously applied coating area.
- Apply when surface and ambient temperatures are above 55° F and below 90° F.
- Avoid paint exterior paint application when weather conditions are threatening, or late in the day when there is a chance of moisture condensing on wet paint. Keep From Freezing!

#### **PRODUCT LIMITATIONS**

- Not for use in corrosive or chemical environments.
- Not for use in areas subject to intense heat.
- Not for use on below grade substrates.

#### PRECAUTIONARY & SAFETY INFORMATION

**CAUTIONS:** Avoid prolonged contact with skin, and breathing of dust, vapors and/or spray mists. Causes eye irritation. **USE WITH ADEQUATE VENTILATION!** Ensure fresh air entry during application and drying. If you experience eye water, headache or dizziness, or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriately fitted respirator, (NIOSH approved), during and after application. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes, skin and clothing. Use chemical safety glasses, goggles or a face shield for proper eye protection. Wash thoroughly after handling and before eating or smoking. Close container after each use. **DO NOT TAKE INTERNALLY!** 

**FIRST AID:** In case of skin contact, wash thoroughly with plenty of warm soapy water. For eye contact, flush with plenty of water for 15 minutes and get medical attention immediately. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. If swallowed, do not induce vomiting, get medical attention immediately.

#### KEEP OUT OF REACH OF CHILDREN!

#### WARRANTY & LIMITATIONS

The technical information contained herein is accurate to the best of our knowledge. All warranties are excluded, whether expressed or implied, by operation of law or otherwise, including all implied warranties of merchantability or fitness for a particular purpose. Seller shall not be liable, directly or indirectly, under any circumstances for consequential, incidental, special or any other type of damages arising or resulting for any reason under the sale, handling, or use of goods sold. Seller's liability hereunder, and buyer's exclusive remedy hereunder, for negligence or any other reason, is expressly limited to reimbursement of the purchase price of the materials sold after proof of purchase is provided to the seller. Notice of any alleged failure or defect in the material must be given to the seller in writing by certified U.S. mail within 15 days of noticing the problem. Failure to give the required notice within the time provided constitutes a waiver of any claim. The Manufacturer is not responsible for any made by the Dealer.