

HydroLock



Water-based epoxy primer

Description

Water-based primer/sealer is a two-component, 41% solids, general purpose epoxy resin designed for use as a primer or seal coat for concrete, masonry, wood and metal. Primary Applications.

Primary Applications

- Concrete slabs
- Wood or metal surfaces for moisture or chemical protection
- Concrete, metal or wood surfaces to provide better adhesion for a coating

Advantages

- Very low viscosity
- High bond strength
- Low VOCs
- Reduces off gassing
- Reduces surface defects of top coat
- Eliminates concrete dusting
- Good chemical resistance

Packaging

- 3 gallon units

Technical information: Physical properties at 77°F (25°C)

Properties will vary depending upon site conditions, application method, mixing method and equipment, material temperature, and curing conditions.

Viscosity: 100 centipoise

Color: milky white (dries clear)

Test data		
Solids content	41%	
Pot life	73°F (23°C) - use within 45 minutes of mixing	
Coverage	200 - 300 square feet per gallon	
Bond strength to concrete	650 psi	ASTM D-7234
Bond strength to steel	775 psi	ASTM D-4541

Accessory Products

N/A

Directions For Use

Mixing Ratio:

A:B 2:1 by volume

Manual Mixing: Pre-mix each component prior to combining. Contains chemicals that settle over time. Failure to properly pre-mix will result in uncured or improperly cured material. Only mix the amount of material that can be used within the pot life. To prevent bubble formation, avoid introduction of air into mixed material by controlling drill speed and mixing method. Thoroughly mix materials using a low speed drill with a mixing paddle. Scrape the sides and bottom of the pail while mixing. Note: Larger batches exotherm and set up faster than small batches.

Surface Preparation: Surfaces must be clean and free of any dust, oil, grease, curing compounds, or any other contaminants.

Mechanical or blast cleaning is required. Shotblast is the ideal preparation method for horizontal surfaces. Achieve a Concrete Surface Profile of 3 (Reference ICRI Technical Guideline #03732).

Limitations: Cold temperatures will slow down reaction time and increase viscosity. Do not use below 40°F (4°C). Material that is off ratio or not mixed thoroughly will not cure to full strength and may remain tacky indefinitely. If installed during cool or humid conditions may result in cured material being cloudy.

Storage & Clean Up

Storage: Store in dry environment between 40° and 80°F (4.4 - 27°C). Do not allow product to freeze. Shelf life: 1 year from date of manufacture in unopened containers properly stored.

Clean Up: Clean off of skin with soap and water immediately.

Environmental Protection

Cured material is environmentally safe. Dispose of in accordance with appropriate regulations. Clean up any spilled catalyzed liquid material and dispose of according to local, state and federal regulations.

Shipping

Shipping Class: Motor Freight Class 60

Hazard Classification: ORM-D

Health & Safety

Safety: "B" component contains amines and may cause severe burns upon skin contact for any length of time. Use OSHA approved personal protective equipment (PPE), including safety glasses, gloves and confined space equipment/ procedures if applicable. Avoid skin contact; do not ingest. See SDS for complete safety precautions. For professional use only.

First Aid

Eye Contact: Immediately flush with large amounts of water. Seek medical attention. **Inhalation:** Move to fresh air if symptoms occur. If breathing is difficult, seek medical attention. **Ingestion:** Seek medical attention immediately.

Skin Contact: Wipe off contaminated area and wash with soap and water immediately.

Manufacturing

Products manufactured by Prime Resins, Inc. in U.S.A. under strict quality assurance practices at our Conyers, GA plant.

Warranty & Disclaimer

Prime Resins, Inc. warrants its products to be free from manufacturing defects and that products meet the published characteristics when tested in accordance with ASTM and Prime Resins standards. No other warranties by Prime Resins, Inc. are expressed or implied, including no warranty of merchantability or fitness for a particular purpose. Prime Resins, Inc. will not be liable for damages of any sort resulting from any claimed breach of warranty. Prime Resins' liability under this warranty is limited to replacement of material or refund of sales price of the material. There are no warranties on any product that has exceeded the "shelf life" or "expiration date" printed on the package label.

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