

Prime Bond 3500 L

Latex bonding agent for concrete repairs and toppings

Description

Prime Bond 3500 L is a liquid latex bonding agent for cement-based repair mortars and concrete. It has a long open time, and repair materials can be placed either after it has dried, or while it is still wet. This bonding agent represents a new generation of easy-to-use latex, which exhibits drastically improved performance and stability in comparison to the typical re-wettable ethylene vinyl acetate (EVA) bonding agents currently available. Prime Bond 3500 L is a unique, non-EVA based latex that utilizes reactive chemistry for bonding, rather than depending on the moisture content of the repair material.

Primary Applications

- Repairing concrete with cement-based mortars
- Concrete overlays and toppings
- Interior or exterior use

Advantages

- Excellent bond strengths
- Repair materials can be applied wet-on-wet, or after it has dried
- Easy to use— applied to surface straight from container
- Long open time

Packaging

- 5 gal (18.9 L) pails or cases of 1 gal (3.8 L) jugs (6 jugs per case)

Technical Information

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

Physical Property	Value
Unit weight, Specific gravity	8.4 lbs/gal, 1.01
VOC content	< 5 g/L
Viscosity	100 cp

Engineering Property	Value
Tack free time	2 to 3 hours
Direct Tension Bond Strength, ACTM C1583	24 hours: 340 psi (2.3MPa) 7 days: 370 psi (2.6 MPa)
Slant Shear Bond Strength, ASTM C882	14 days, dry conditioned: 2,730 psi (18.8 MPa) 14 days, wet conditioned: 2,760 psi (19.0 MPa)

Shelf Life

1 years in original, unopened package

Specifications / Compliances

ASTM C1059, Type II

Coverage

150 to 250 ft²/gal (4.91 to 6.14 m²/L)

Technical Datasheet



Directions for Use

Surface Preparation: Concrete surface must be clean, dry and structurally sound. The substrate must also be free of all curing compounds, form release agents and any other contaminants, which may prevent the proper adhesion of Prime Bond 3500 L. When using Prime Bond 3500 L to bond cementitious repair mortars, **please refer to the technical data sheet for the repair mortar to find the concrete surface profile (CSP) requirements.** After surface preparation is complete, rinse thoroughly with potable water. Allow the concrete to dry before applying Prime Bond 3500 L.

Application: Stir thoroughly before use. Do not dilute. For hand application, dampen brushes or rollers before use and shake out excess water. For larger areas or faster applications, use airless spray equipment or an industrial pump-up sprayer with a fan tip nozzle. Hold spray nozzle 12 to 18 inches (30 to 46 cm) from the surface and apply Prime Bond 3500 L using a cross coat technique consisting of a horizontal pass followed by a vertical pass. Extremely porous surfaces may require two coats. Prime Bond 3500 L may be allowed to dry before placing repair mortars, concrete, or toppings, or the repair materials may be placed in a “wet on wet” fashion, immediately after application of Prime Bond 3500 L. Prime Bond 3500 L will dry in approximately two to three hours depending on the temperature and humidity. If more than 7 days pass between application and placement of the concrete, topping, or mortar, the surface must be abraded to remove existing product, and Prime Bond 3500 L must be re-applied. **During the product’s open time, regardless of length of time, the surface must be protected from dust, dirt, foot traffic, and any other sources of contamination or abrasion prior to application of the concrete, topping, or mortar.** Any dust, dirt, or other contaminants will severely affect bond strength of the concrete, topping, or mortar.

Precautions/ Limitations

- Do not dilute
- Prime Bond 3500 L is not for use in bonding toppings and overlays that will be polished.
- Keep from freezing.
- Do not apply to frozen or frost filled surfaces.
- Surface and ambient temperature during application must be 40°F (4°C) and rising.
- Store at temperatures between 40°F to 90°F (4°C to 32°C).
- In all cases, consult the Safety Data Sheet before use.

Shipping

Shipping Class: Motor Freight Class 60

Hazard Classification: Non-Hazardous

Precautions/Limitations

- Do not dilute. Not for use in bonding toppings and overlays that will be polished. Keep from freezing. Do not apply to frozen or frost filled surfaces. Surface and ambient temperature during application must be 40°F (4°C) and rising. Store at temperatures between 40°F to 90°F (4°C to 32°C). In all cases, consult the Safety Data Sheet before use.

Clean-up

Clean tools and equipment with soap and water immediately following use. Clean drips and over-spray with water while still wet. Dried Prime Bond 3500 L may require mechanical abrasion for removal.

Health & Safety

Safety: See SDS for complete safety precautions prior to use. Use approved personal protective equipment (PPE), incl. safety glasses, gloves and confined space equipment/procedures if applicable. Avoid skin contact; do not ingest. 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. Wash with soap & water.

Warranty & Disclaimer

Prime Resins Inc. warrants their 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 the Manufacturer are expressed or implied, including no warranty of merchantability or fitness for a particular purpose. The Manufacturer will not be liable for damages of any sort resulting from any claimed breach of warranty since it has no control over how the products are used and applied. The Manufacturer’s 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.

Rev. 08/26/2020

Head Office: 2291 Plunkett Road, Conyers, GA 30012

T: 770-388-0626 F: 770-388-0936 W: www.primeresins.com

E: info@primeresins.com

A  Company