



## Product Description

LAMBCO<sup>®</sup> BOND is a polyvinyl acetate polymer latex adhesive that is specially formulated for use as a "paint-on" type bonding adhesive for cement or gypsum plaster mixes. It is a ready-to-use liquid that forms a chemical weld between new concrete or plaster and clean structurally sound concrete or other similar type surfaces.

LAMBCO<sup>®</sup> BOND is a non-flammable liquid that dries to a uniform clear film when used as a bonding agent. The film redisperses when exposed to new wet concrete or gypsum plaster creating a strong bond between the new and old materials.

## Installation

Before using this product, please refer to the Material Safety Data Sheet for additional information. Proper handling precautions MUST be followed. The conditions of use, handling, and application of this product and information (whether verbal or written), including any suggested formulations and recommendations, are beyond Lambert Corporation's control. Therefore, it is imperative that testing be performed to determine satisfaction and suitability for intended use and health, safety, and environmental issues. The following information is meant as a guideline of best industry practices. While Lambert Corporation does suggest adherence to these guidelines, unforeseeable variables and/or developed successful installer practices may cause variation in methods and/or results.

## Surface Preparation

All spalling, scaling, crumbly material must be removed from surfaces and crevices, and the area rendered structurally sound. Dust, dirt, oil, wax, chalky or loose paint, mildew, rust and other foreign material must be removed for adequate bonding. New concrete must be allowed to cure according to industry standards. When the surface causes water to bead like it does on wax paper you will most likely have a problem with bonding. These areas need to be sandblasted, scarified, bush-hammered, or acid etched to produce an acceptable open surface for bonding. If surface is questionable, apply a test patch with the product/system specified. For painted surfaces Lambert's higher solids polyvinyl acetate type product is recommended.

Never apply cement plaster or toppings where efflorescence is present. Efflorescence is a white soluble salt that breaks down the bond of any cement-based product. These areas need to be sandblasted or acid etched to produce an acceptable sound, and open substrate for bonding.

## Mixing and Application Instructions –

### Used as a Bonding Agent Only

Stir LAMBCO<sup>®</sup> BOND well prior to use, make sure no settling has occurred. LAMBCO<sup>®</sup> BOND should be used straight from container with no dilution for maximum bond strength. If concrete substrate is very porous, presoaking with clean water will prevent rapid water absorption from LAMBCO<sup>®</sup> BOND.

Apply uniformly like a coat of lacquer using spray, brush, or roller. Form a continuous thin film over the entire surface to be bonded and allow to penetrate 15 to 20 minutes. Film can be tacky or dry at time of application. Check to be sure there is no peeling or curling before applying wet plaster or cement. Fresh films of LAMBCO<sup>®</sup> BOND are water sensitive, as the product must rewet upon application of the cement plaster.

LAMBCO<sup>®</sup> BOND films may lose some water sensitivity on aging and may not redisperse if too much time passes between applying LAMBCO<sup>®</sup> BOND and placing a succeeding layer. Maximum permissible dry time is unpredictable and can vary from 1 to 4 weeks. Should the LAMBCO<sup>®</sup> BOND film lose its water sensitivity prior to application of cement plaster, a fresh coat must be applied before plastering. If surface is questionable, apply a test patch with the product/system specified.

### Used as a Bonding Agent For Cement Plaster Stucco

LAMBCO<sup>®</sup> BOND should be applied as described above. Prior to application of cement plaster inspect bonding agent application to assure a continuous film is over entire bonding surface. Re-apply over areas not satisfactorily covered. Protect film from dirt and debris until cement plaster finish is in place. For two-coat application of cement plaster stucco, apply scratch coat a minimum of 3/8-inch (9.5 mm), allow to dry 24 hours or more, then apply finish coat a minimum of 1/8-inch (3.2 mm). Where two coats of cement plaster are necessary, only the first coat is bonded by LAMBCO<sup>®</sup> BOND. The first coat should be a minimum of 3/8-inch (9.5 mm) thick and permitted to dry 24 hours before second coat application. If 24 hour minimum drying is not followed, moisture in the finish coat will penetrate the scratch coat and flood the LAMBCO<sup>®</sup> BOND film (which has not had time to cure) resulting in a bond failure.

## Admixture Usage

Dilute LAMBCO<sup>®</sup> BOND at a 1 to 1 ratio with clean potable water by volume, then wet out the cement based system to a workable mix.

## Limitations

Do not use where long-term exposure to constant water is possible. Polyvinyl acetate latexes, such as LAMBCO<sup>®</sup> BOND, require air curing and become less effective in very moist environments. LAMBCO<sup>®</sup> BOND provides excellent results with intermittent water exposure, but is not recommended for use in areas of continuous water exposure, such as swimming pools or water tanks. Use a non-redispersable product such as Lambert's acrylic latex admixture for areas of continuous water exposures.

	<p>Packaging:</p> <p>2 gal-Total Unit (7.6L) 1 gal (3.8L) per Part A and Part B</p> <p>½ gal-Total Unit (1.9L) 1 quart (0.95L) per Part A and Part B</p>
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LATEX BONDING AGENTS

LAMBCO<sup>®</sup> BOND

MASTER FORMAT: 03 31 10  
09 24 00



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Do not use where hydrostatic pressure is present in the substrate, concrete which is frozen, or over efflorescence. Not recommended for use with anti-freeze agents, accelerators, or air entraining admixtures. LAMBCO® BOND latex emulsions have a minimum temperature below which the polymer spheres will not coalesce to form a tough durable film. This placement temperature is 45°F (7.2°C). Placing of concrete products at temperatures below 45°F (7.2°C), is not recommended because of poor cement hydration and polymer coalescence. Placement at substrate temperatures above 85°F (29.4°C) is cautioned because the working time is generally too short. Pre-wetting concrete will lower substrate temperatures and improve working times. Fast set patching cements must be applied while LAMBCO® BOND film is still tacky.

Do not store LAMBCO® BOND below freezing temperatures. Prolonged freezing may damage contents. Frozen material should immediately be placed in a warm environment to thaw gradually. Direct heat should not be applied. If product can be stirred easily after thawing, bonding qualities most likely have not been lost. Apply a test patch with the system specified to determine bonding qualities of frozen LAMBCO® BOND.

## Technical Data

### Physical Data

Solids, % By Weight	18-20%
Weight Per Gallon	8.4 lbs (1.0kg/L)
Shelf Life	6 months
Odor	Very low

### Coverage

- Used straight as a bonding agent apply at 250 to 300 square feet per gallon (6.1-7.4 m<sup>2</sup>/L).

### Clean-Up

In case of spillage, flush area with large amounts of water; place into appropriate container; and dispose of in accordance with applicable local regulations. Uncured LAMBCO® BOND can be removed with water. Cured LAMBCO® BOND can be liquefied with lacquer thinner.

### First Aid

**Inhalation** - Remove to fresh air.  
**Eye and Skin Contact** - Promptly wash eyes with plenty of water for 15 minutes. Consult a physician if irritation persists. Wash skin with soap and water.  
**Ingestion** - Drink plenty of water, may cause irritation of the mouth, throat, or stomach. Do not induce vomiting. Seek medical attention for all overexposures.

KEEP OUT OF REACH OF CHILDREN.  
FOR INDUSTRIAL USE ONLY.