



LAMBCO® PRIMER

Water-based bonding agent that is re-emulsifiable only one time

Advantages:

- Versatile - Bridges gap between Acrylic and PVA products.
- Excellent Bonding Agent - Superior adhesion properties.
- Can be used when there is a delay of up to 24 hrs. prior to application of top coat.
- Improved trowelability over acrylic products.
- VOC compliant
- Easy clean-up

Coverage:

- Coverage rates can vary dramatically based on usage and dilution ratios

See Coverage section for full details

Packaging:

55 gal (208.2L) drum
5 gal (18.9L) pail



LAMBERT CORPORATION
20 N. COBURN AVENUE, ORLANDO, FLORIDA 32805
PHONE: (407) 841-2940 TOLL FREE: 800-432-4746
FAX: (407) 839-1890
WEBSITE: <http://www.lambertusa.com>

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Product Description

LAMBCO® PRIMER is an ethyl-vinyl acetate (EVA) primer and admixture for Portland cement based products. It is a water-based bonding agent that is re-emulsifiable only one time. When used as directed it will increase the bond between new to old concrete. LAMBCO® PRIMER has high strength in dry film and provides a better wet-bond than PVA (polyvinyl acetate) products. In addition, unlike PVA products, it allows exterior use, increased water and alkali resistance and a lower film formation threshold. LAMBCO® PRIMER is considered less sticky, more workable, and more versatile than Acrylic bonding agents. LAMBCO® PRIMER will re-emulsify one time and then will not re-wet again. LAMBCO® PRIMER can be used as both a bonder and an admixture in interior or exterior applications not subject to constant water immersion.

LAMBCO® PRIMER is a milky white liquid that dries clear. Mixed with cement, sand, and water, LAMBCO® PRIMER forms a strong bonding grout that will adhere to properly prepared concrete substrate.

Basic uses of LAMBCO® PRIMER as a primer include:

- Cement based repair type products
- Underlayment products
- Non-shrink grout products
- Portland cement stucco
- Cement based self-level products

Basic uses of LAMBCO® PRIMER as an admixture include:

- Cement based repair type products
- Non-shrink grout products
- Portland Cement stucco
- Cement based self level products

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. A painted surface must be sound, washable, and paint firmly adhered to substrate. Do not apply over water soluble calcimine paints or rusted surfaces. Wait 60 days before applying LAMBCO® PRIMER over a newly painted surface. Glossy painted surfaces should be dulled and roughened with abrasive type wire brush.

New concrete must be allowed to cure according to industry standards (ASTM C-926). Fresh cementitious substrates are high in alkalinity (ph of 12 or more) and if painted, may peel, blister and delaminate in a relatively short time.

Do not apply LAMBCO® PRIMER where hydrostatic pressure is present in the substrate or over frozen concrete. When the surface cause's water to bead up like it does on wax

paper, you will definitely have a problem with bonding. These areas need to be sandblasted, bush-hammered, or acid etched to produce an acceptable open surface for bonding. If surface is questionable, apply a test patch with the products specified.

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

Application Instructions

Admixture in Toppings 1/2" (12.7mm) or Less

Stir LAMBCO® PRIMER prior to use. Mix 1 part LAMBCO® PRIMER to 1 part water. Mix thoroughly before adding to cement topping as replacement for water. Add dry materials to liquid admixture solution to reduce clumping of material. Pre-wet all concrete and wood surfaces. Place mixture on base within 20 minutes of adding LAMBCO® PRIMER to the mixture. In thin resurfacing, wood float immediately after screeding. LAMBCO® PRIMER modified mixes are air-curing systems

Limitations

When used with air entraining admixtures, accelerators, or with high-speed mechanical mixers, a test for air content of the mix must be made prior to job usage. Adjustments to air entrainment may be necessary.

Minimum application temperature is 45°F (7.2°C) and rising. Placement of concrete products at temperatures below 45°F (7.2°C) is not recommended because of poor cement hydration. High humidity/excessive moisture will retard curing time of LAMBCO® PRIMER modified mixes. Do not store product at temperatures below freezing. Prolonged freezing may damage contents. Frozen material should not be applied. If LAMBCO® PRIMER can be stirred easily and is creamy smooth after freeze/thawing, bonding qualities in most cases have not been lost. Make test application to determine acceptability.

Technical Data

Applicable Standards

When used undiluted, LAMBCO® PRIMER meets or exceeds ASTM C-1059 type I, and ASTM C-932 specifications.

PHYSICAL DATA	
SOLIDS, % BY WEIGHT	MIN 55%
PH	4.5
SPECIFIC GRAVITY	1.1
WEIGHT PER GALLON	8.9 LBS (1.1KG/L)
ODOR	LOW AMMONIA
SHELF LIFE	6 MONTHS

Coverage

Pre-dampen concrete and wood substrates with potable water. Do not leave standing water.

Admixture Use

Portland cement Plaster Mixes:

The normal ratio of LAMBCO® PRIMER to water is 1:3 (1-part LAMBCO® PRIMER to 3-parts water). The ratio can be adjusted stronger or more diluted depending on actual project requirements. Recommendations are as follows:

- **Over Solid Bases** (CMU and Concrete): For scratch coats, mix 1-part LAMBCO® PRIMER to 2-parts water. Where bonding is more critical, increase the mix ratio to 1:1 by volume. For brown coats, mix 1-part LAMBCO® PRIMER to 3-parts water.
- **Plaster Mixes – Smooth Substrate:** Use mix ratio of 1-part LAMBCO® PRIMER to 2-parts water.
- **Plaster Mixes – Rough Substrate:** Use 1-part LAMBCO® PRIMER to 4-parts water.

Bonding Agent/Compound Usage

Surface-applied

Use undiluted as a “paint-on” bonding agent. Apply at 250 to 300 ft² per gallon (6.1-7.4m²/L). Projected coverage is an estimate only and is highly dependent on substrate texture and porosity.

Clean-Up & First Aid

Clean-Up

Product can be cleaned with soap and water. For additional information, review the MSDS for LAMBCO® PRIMER.

First Aid

Avoid inhalation of vapors/ensure adequate ventilation. Avoid contact with skin. Protective clothing recommended. Contact areas wash with soap and water. Avoid contact with eyes. Protective goggles are recommended in case of splashing. Flush eyes with plenty of water. Avoid ingestion of material. If ingestion occurs, contact a poison center or physician.

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