

# PRIMER AND SURFACE BONDING BONDING ADMIXTURE VOC COMPLIANT

# P-100

BOND NEW CONCRETE TO OLD  
REEMULSIFIABLE, ONE TIME ONLY  
PRIMER FOR **SUPER FLOWCRETE**, **PATCHCRETE**  
**POWER-CRETE & CAST-PATCH**

## PRODUCT DESCRIPTION

**P-100** is a ready to use, film forming, one-time reemulsifiable liquid bonding agent and polymer modifier for concrete. (VOC Compliant) This material, based on a new technology, gives outstanding surface and integral bonding without moisture sensitivity. It may be used inside or outside. **P-100** was developed for use as a primer for our **SUPER FLOWCRETE** self-leveling material and is also used to prime surfaces before applications of **PATCHCRETE**, **POWER-CRETE** and **CAST-PATCH**. In addition to these Lyons products, it may be used to bond other materials to various surfaces. **P-100** is an aqueous resin emulsion. It is a film forming copolymer emulsion.

## PRODUCT APPLICATIONS

Use **P-100** as a primer for **SUPER FLOWCRETE**, **PATCHCRETE** and **POWER-CRETE**. It is used as a surface bonder to bond fresh cementitious materials such as concrete, stucco, gypsum, plaster, etc. to various surfaces including concrete, masonry, stone, brick, plaster or wood. **P-100** may be used inside or outside. It may be used as an integral polymer modifier for cementitious materials. **P-100** increases the bond strength and water resistance of cementitious mortars. Use **P-100** in the repair of concrete, plastered ceilings and walls and stucco surfaces.

## PRODUCT FEATURES

- VOC Compliant
- High Solids Copolymer Emulsion
- Not Moisture Sensitive After Use
- Inside or Outside Use
- Reemulsifiable, One Time Only
- Use as a Surface Bonder
- Use as Integral Polymer Modifier for Cement Mortars
- Use as Primer For **SUPER FLOWCRETE**, **PATCHCRETE**, **POWER-CRETE** and **CAST-PATCH**
- Improved Strength as a Polymer Modifier
- Not a PVA

## TECHNICAL DATA

**P-100** meets requirements of ASTM C-1059.

## COVERAGE

One Gallon undiluted will cover approximately 200 sq. ft., exact coverage will vary with surface porosity, profile and application technique.

## PACKAGING

Case of 4 - 1 gallon containers, 80 gallons per pallet. 5 gallon pails, 36 per pallet. Protect from freezing.

## SURFACE PREPARATION

All surfaces must be clean and structurally sound; free of curing compounds, sealers, form release agents, oil, grease, paint, etc. Pores of the surface must be open to permit penetration and proper bonding. Remove oil, grease or asphalt residue with trisodium phosphate or detergent. Necessary surface preparation may be done by abrasive blasting, scarifying or acid etching. If acid etch is used, surface must be neutralized and brushed thoroughly. Rinse and clean thoroughly with clean water.

## APPLICATION-BONDING AGENT

Stir **P-100** thoroughly before using. Apply to surface with broom or brush for best results. Dampen brush or broom before using and shake out water. If roller or sprayer is used, the **P-100 Primer** must still be worked into the surface with a brush or broom. Allow **P-100** to dry. **P-100** goes down milky and dries clear. Do not apply material until **P-100** has dried. Material should be applied within 24 hours.

**P-100** can provide a bond over cutback. Remove as much of cutback as possible, leaving only a thin residue firmly bonded to concrete. Remember, your bond will only be as good as the bond of the cutback to the concrete. Coat the surface with a thin uniform amount of **ACRYLIC BOND Emulsion**. Let this coat dry completely, then prime with **P-100** without dilution with water. Let the **P-100** dry and install topping.

**P-100** may be diluted with clean water at a rate of 1 part water to 2 parts **P-100** for use on porous surfaces. On wood surfaces, do not dilute **P-100**. **NEVER DILUTE P-100 PRIMER WHEN USED AS SURFACE BONDER FOR WEARING SURFACE TOPPING.**

**P-100** will re-wet one time and one time only when wet material is placed over **P-100**. It is designed to provide

a tenacious, permanent bond. Compatibility of **P-100** with other manufacturer products is not known and any application should follow both manufacturer instructions. Always do a test section before proceeding with the job.

For non-porous surfaces or those with concerns on bonding, consider using **EP 200 EPOXY PRIMER**.

## APPLICATION-INTEGRAL CEMENT MODIFIER

When using **P-100** as an integral polymer modifier with cement and sand to make concrete repairs, add 1 gallon of **P-100** per 30 lbs. of cement or 3 gallons per bag of cement. Results obtained will depend on mix design and application. Normally, you should use 2-1/2 parts sand to 1 part cement. Seal and cure to prevent rapid drying. Always do a test section before proceeding. Will not re-wet when used as an integral modifier.

## INSTRUCTIONS FOR CLEAN-UP

Clean tools with detergent and warm water immediately after use. Remove all drips or spray immediately. Clean up any mortar modified with **P-100** immediately. If **P-100** or mortar modified with **P-100** is permitted to dry, mechanical abrasion will probably be needed to remove it.

## PRECAUTIONS

DO NOT LET FREEZE.

DO NOT apply if temperature is below 50°F.

DO NOT overwork mortars modified with **P-100**.

As a surface bonder, DO NOT apply material until **P-100** has dried.

Always make a trial installation first.

Use only water based sealers or cures.

### LIMITED WARRANTY

Lyons Manufacturing, Inc. warrants the high quality of its products. However, because of many factors beyond our control in its use, such as job conditions, workmanship, etc., the liability of all parties making and selling this product is expressly limited to the refund of the purchase price or replacement of this material used. Lyons Manufacturing, Inc. will replace any product proven to have a manufacturing defect, FOB Factory, provided Lyons Manufacturing, Inc. is notified of such defect within one (1) year from the date of shipment from the factory. This warranty is in lieu of all other warranties, expressed or implied. Lyons Manufacturing, Inc. makes no warranty of suitability of its products for any particular application and sells its products upon the condition that customer shall conduct their own test to determine the suitability of the product for their purposes. Under no circumstances will Lyons Manufacturing, Inc. be liable for economic, special, incidental or consequential damages or losses of any kind.

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