

**Long Pot Life  
Easy to Spread  
Tenacious Bond**

# EP-200 EPOXY PRIMER

**No VOCs  
Versatile Applications  
Minimum Surface Preparation**

## PRODUCT DESCRIPTION

**EP-200 EPOXY PRIMER** is a low viscosity two component epoxy resin for use as a Bonding Agent for promoting adhesion of concrete toppings to old substrates. **EP-200** has superior wetting characteristics to both plastic and cured concrete to attain maximum adhesion. **EP-200** is a low viscosity product, easily applied by roller or brush.

## PRODUCT APPLICATIONS

Use **EP-200 EPOXY PRIMER** as a Bonding Agent for application of toppings or new concrete to low porosity surfaces, such as tile, cutback adhesive, wood or other surfaces. Can also be used with sand to create a bonding surface that also acts as a movement barrier for isolating toppings from substrate.

## COVERAGE

140+ sq. ft. per 2 gallon unit.  
Coverage varies significantly based on surface variations and application techniques.

## PACKAGING

Packaged in 2 and 10 Gallon kits.

## SHELF LIFE

2 years in unopened packages stored properly.

## PRODUCT FEATURES

- Easy 1 to 1 Mix Ratio
- 45 Minute Pot Life
- Contains no VOCs
- High Compressive Strength
- High Flexural and Tensile Strength

## TECHNICAL INFORMATION

Pot Life (@ 75°F)	45 minutes
Mixed Viscosity (@ 75°F)	600 cps
Appearance:	Gray
VOC	Nil

## Cured Properties:

Compressive Strength ASTM C 579  
12,500 PSI

Flexural Strength ASTM C 307  
6,700 PSI

Tensile Strength ASTM C 580  
4,600 PSI

## SPECIFICATION COMPLIANCES

Submitted for ASTM 881, 883 and 884.

Expected to meet ACI specifications 503.1, 503.2, 503.3, 503.4.

## **SURFACE PREPARATION:**

New concrete must be 28 days old and fully cured. Surface must be clean, loose or unsound concrete must be removed. Dust, laitance, efflorescence, wax, form oils, paint and other contaminants must be removed. Bond will be improved on smooth surfaces with profiling and opening of surface to allow **EP-200** to penetrate. If acid etch is used it must be carefully neutralized and cleaned. Allow surface to dry before application.

## **MIXING:**

All materials should be mixed in the 60°F-90°F Temperature range. Pour Part B into Part A and mix with a slow speed mixer for two minutes. Scrape sides and bottom frequently to assure that no unmixed material remains. The mix should appear uniform with no streaks or phases.

## **APPLICATION—Surface Bonder:**

Apply a thin uniform coat of thoroughly mixed **EP-200 EPOXY PRIMER** to the concrete surface by brush or roller. Spray applications also possible. Ensure adequate coverage and do not allow **EP-200** to puddle.

Pour the topping or new concrete while the **EP-200 EPOXY PRIMER** is wet or tacky. If the **EP-200** is allowed to cure where it is dry to touch, then the surface must be reprimed before applying mortar. If **EP-200 EPOXY PRIMER** is allowed to cure for 36 hours or longer before applying topping, then it must be mechanically abraded, cleaned and reprimed.

## **APPLICATION—Movement Barrier:**

To utilize **EP-200 EPOXY PRIMER** as a movement barrier and an aid to bonding apply a thin uniform coat of thoroughly mixed **EP-200** to the concrete surface by brush or roller. (For this application spray application is not recommended.

While **EP-200 EPOXY PRIMER** is wet broadcast sand into **EP-200** until refusal. (Recommend sand similar to 20-40 mesh size). Use approximately 1/2 lbs. of sand per sq. ft. Watch, if sand is completely absorbed into **EP-200**, add more sand. Let cure for 24 hours and then brush and vacuum loose sand .

Apply topping onto sand/**EP-200 EPOXY PRIMER** surface. Sand will provide an excellent surface for mechanical bonding by surface topping, while maintaining a barrier to resist transferring some substrate movement.

## **PRECAUTIONS/LIMITATIONS:**

- Do Not Apply **EP-200 EPOXY PRIMER** when substrate temperature is 40°F or below.
- Store **EP-200** in temperature 45°-100°F.
- Bring **EP-200** to room temperature 24 hours prior to application.
- Always do testing on both substrate conditions and expected topping to insure performance meets expectations.
- Avoid contact with Eyes and Skin, **EP-200** can act as an irritant.
- Use in a well ventilated area or with appropriate breathing masks.
- In all cases, consult MSDS before use.

### 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 the 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.