



# PRIMER EP

DS-65322-1121

**Globally Proven  
Construction Solutions**



## 1. PRODUCT NAME

PRIMER EP

## 2. MANUFACTURER

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## 3. PRODUCT DESCRIPTION

PRIMER EP is a two-component, deep penetrating, solvent-free epoxy primer for use over concrete, cementitious mortars and metal substrates.

When combined with proper surface preparation, PRIMER EP creates a strong base for LATICRETE® resinous coatings by promoting strong substrate and intercoat adhesion while helping to eliminate common issues such as outgassing.

### Uses

- Exterior and interior use
- Promotes strong substrate and intercoat adhesion for resinous coating applications
- Can be used as a mortar suitable for smoothing irregular surfaces when mixed with quartz/sand (LATICRETE® SAND 1)

### Advantages

- Deep penetration and high bond strength to various substrates
- No VOCs and solvent-free — no solvent odours during installation
- Helps avoid the formation of bubbles and fish-eyes in resinous coating applications

### Suitable Substrates

- Concrete
- Cement Plaster/Render
- Steel
- Metal (Consult LATICRETE Technical Services prior to use)

### Packaging

15 kg, includes:

- 10 kg Part A
- 5 kg Part B

### Approximate Coverage / Consumption

~0.2 kg/m<sup>2</sup>

### Shelf Life

Factory sealed bags of this product are guaranteed to be of first quality for eighteen (18) months if stored in a cool, dry place.

### Limitations

- Store between +5°C and +35°C. Protect from freezing or excessive heat.

### Cautions

Thoroughly read all technical data sheets, application guidelines, warranty disclaimers and Safety Data Sheets (SDS) prior to use.

- Under normal conditions, product is not considered harmful to those handling or using.
- Wear safety eye protection and gloves when applying.
- Contact with eyes may cause irritation. Flush eyes with water for 15 minutes, if symptoms persist seek medical attention.
- Keep out of reach of children.

## 4. TECHNICAL DATA

### Physical Properties

Reaction to Fire According to EN 13501-1:	F
Basis:	Epoxy Resins
Appearance:	Yellow Liquids
Permeability to Water Vapour (EN 12086):	No
Temperature Resistance:	From -5°C to +55°C
Bond Strength:	> 2.0 N/mm <sup>2</sup>

### Working Properties

Consistency:	Fluid
Wet Density at 20°C:	1,15 kg/L (± 0.05)
Application Temperature:	From + 7°C to + 30°C
Application RH:	< 65%
Mix Ratio:	2:1 by weight (A:B)
% Solids:	100%
Thickness:	≤ 5 mm*
Working Time:	40 minutes
Dust-free:	2 hours
Dry to Touch:	6 hours
Minimum Re-Coat Time:	8-10 hours
Maximum Re-Coat Time:	24 hours
Time to Foot Traffic:	24 hours
Final Cure:	7 days

\*when used with sand/quartz (3:1)

*Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.*

## 5. INSTALLATION

Always properly prepare surface as an open, porous surface is necessary for primer bonding. The surface must be deemed structurally and mechanically sound, clean, and dry.

Surfaces to be coated must be free of previous coatings, sealers, grease and any other contaminants that may impede adhesion. Always check the surface for any bond inhibitors prior to application. Any repairs must be addressed prior to application and should be repaired in accordance with ICRI or local standards.

Proper surface preparation is required for decorative-concrete or sealer/finish coatings. This is best achieved

with shot-blasting or mechanical grinding machines using diamond heads achieving a final 30 to 80-grit profile.

### Surface Preparation - Concrete

Recommended surface profile of CSP-2, Reference ICRI Technical Guideline No. 03732 prior to application. Any loose or damaged surface layers should be removed before application.

Properly prepared concrete must have a tensile strength ≥1.4 MPa when tested according to ASTM C1583. For protection against moisture vapour or when the concrete measures 3% RH or greater, as measured using an electric hygrometer, use LATICRETE® MOISTURE VAPOR BARRIER as your base coat before applying the resin.

### Surface Preparation - Metal/Steel

Clean the surface per SSPC-SP1. Surfaces to be coated must be free of grease, oils, cutting fluids and any other contaminants that may impede adhesion. Always check the surface for any bond inhibitors prior to application.

- For Steel: Shot blast the surface per SSPC-SP 6/NACE 3
- For Stainless/Galvanized: Shot blast the surface per SSPC-SP16.

After shot blasting, perform a second solvent wipe of the surface to remove any residual dust or debris. Immediately coat the surface.

### Mixing & Application

Combine Part A with Part B in 2:1 ratio by weight, mechanically mix with a power drill at low speed for approximately 2-3 minutes. After mixing thoroughly, product is ready for use and does not require dilution or thinning.

Primer can be applied using roller, brush or spray. Small chip brushes may be used along the perimeter and in more difficult to reach areas.

*Note: If using PRIMER EP as a smoothing mortar, mix SAND 1 (grain size 0.1-0.3 mm) with the already mixed PRIMER EP in a 3:1 ratio by weight. Then apply using a flat steel trowel or spatula to smooth irregular surfaces.*

PRIMER EP will typically be dry to the touch about 8 hours after application, depending on ambient temperature, slab temperature and humidity. Subsequent resinous coatings may be applied after 8-10 hours.

## 6. AVAILABILITY AND COST

### Availability

LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE Europe S.r.l. a socio unico:  
+39 059 535540  
[info@laticreteeuropa.com](mailto:info@laticreteeuropa.com)

For on-line distributor information, visit [www.laticrete.eu](http://www.laticrete.eu).

### Cost

Contact LATICRETE Europe S.r.l. a socio unico to obtain complete information and cost.

## 7. WARRANTY

The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year. Contact Technical Services for further information. See 10. FILING SYSTEM:

- DS 230.13EU: 1 Year Product Warranty

## 9. TECHNICAL SERVICES

### Technical Assistance

Information is available by calling or emailing the Technical Service Hotline:  
+39 059 535540  
[technicalservices@laticreteeuropa.com](mailto:technicalservices@laticreteeuropa.com)

### Technical and Safety Literature

To obtain technical and safety literature, please visit our website at [www.laticrete.eu](http://www.laticrete.eu).

### Warning

The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® is unable to directly control the installation methods and conditions of products and does not assume any liability arising from their implementation. Those who want to use LATICRETE® products should conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.

LATICRETE® products are covered by a warranty within the limits of what is established by our general conditions of sale and within the limits of correspondence related to technical specifications and applicable certifications, as expressly indicated in the product data sheets, documentation, or applicable technical documentation.

## 10. FILING SYSTEM

Additional product information is available on our website at [laticrete.eu](http://laticrete.eu). The following is a list of related documents:

- DS 230.13EU: 1 Year Product Warranty

- DS 560: MOISTURE VAPOR BARRIER Product Data Sheet