



# Mortar Primer EP / Mortar EP

Globally Proven  
Construction Solutions

Mortar Primer EP is a fast drying low odor, solvent free catalyzed polymer primer for concrete substrates.

Mortar EP is a 3 part economic, solvent free epoxy mortar for concrete and cement screeds with normal up to medium heavy wear. The product provides excellent adhesion to new or existing concrete.



## FEATURES/BENEFITS

- Excellent bond strength
- Easy application
- Low viscosity
- Short waiting time
- Good penetration
- Solvent-free
- Good chemical and mechanical resistance

## USES

- For priming concrete substrates, cement screeds and epoxy mortars
- For low to medium absorbent substrates.
- Binder for leveling mortars and mortar screeds

## MANUFACTURER/ DISTRIBUTED BY

LATICRETE South East Asia Pte Ltd (Level 2, A3)  
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Telephone: +65 6515 3028 Fax: +65 6515 3037  
Internet: [se.laticrete.com](http://se.laticrete.com)

## STANDARDS/CERTIFICATIONS

- ASTM C579
- ASTM C580
- ASTM D7234

**Packaging****Floor:**

Part A - 20 kg Pail

Part B - 10 kg Pail

Part C - 20 kg Bag (12 bags)

**Wall:**

Part A - 20 kg Pail

Part B - 10 kg Pail

Part C - 20 kg Bag (5 bags)

**Approximate Coverage****Floor:****Primer (Part A + B)**

- One set of Mortar Primer EP yield a coverage of approximate 111m<sup>2</sup> at 0.20 mm thick per coat

**Mortar (Part A + B + C)**

- One set of Mortar EP yield a coverage of approximate 135 m<sup>2</sup> at 1mm thick per coat

**Wall:****Primer (Part A + B)**

- One set of Mortar Primer EP yield a coverage of approximate 111m<sup>2</sup> at 0.20 mm thick per coat

**Mortar (Part A + B + C)**

- One set of Mortar EP yield a coverage of approximate 65m<sup>2</sup> at 1mm thick per coat

**Shelf Life**

12 months unopened. Store at 5°C-30°C in a covered area (out of the sun). Material should be kept in a cool dry place prior to application. Do not allow to freeze.

**Cautions****FOR PROFESSIONAL USE ONLY**

- Thoroughly read all technical data sheets, application guidelines, warranty disclaimers and Safety Data Sheets (SDS) prior to use.
- Wear safety eye protection when applying. Contact with eyes may cause irritation. Flush eyes with water for 15 Minutes, if symptoms persist seek medical attention.
- Wear safety gloves.
- Until cured, may irritate eyes and skin. Avoid contact with eyes and or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Material should be kept in a cool dry place prior to application
- Product must not freeze.

Mock-ups and field test areas are required in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti-dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the decorative flooring system.

**TECHNICAL DATA****Part A + Part B (Primer)**

Working Properties	
Wet Film Thickness	0.20 mm
Pot Life	30 minutes
Working Time	<25 minutes
Mixing Ratio	2 Part A; 1 Part B by weight

**Part A + Part B + Part C (Mortar)**

Working Properties	
Pot Life	60 minutes
Working Time	<45 minutes
Time to Light Traffic	24 hours
Full Cure	7 days
Mixing Ratio	Floor: 2 Part A; 1 Part B; 24 part C by weight Wall: 2 Part A; 1 Part B, 10 Part C by weight

Test	Test Method	Results
Compressive Strength (28days)	ASTM C579	>90 N/mm <sup>2</sup>
Flexural Strength (28days)	ASTM C580	>37 N/mm <sup>2</sup>
Pull Off Strength (28days)	ASTM D7234	>2.8 N/mm <sup>2</sup>

Specifications are subject to change without notification. Technical data shown in product data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors. All recommendations, statements and technical data contained in this data sheet are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind. Satisfactory results depend upon many factors beyond the control of LATICRETE International, Inc. User shall rely on their own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from their direct use, indirect use or consequential to their use of the product. LATICRETE shall not be liable to the buyer or any third party for any injury, loss or damage directly or indirectly resulting from use or inability to use the product.

**INSTALLATION****Surface Preparation**

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. Proper surface preparation is required for decorative-concrete, thin-film "Class-A-type" flooring systems 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. Recommended surface profile is CSP-2, Reference ICRI Technical Guideline No. 03732.

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 standards.

**Mixing****Primer**

Product must not freeze. Combine 2 components Part A with 1 component Part B, mechanically mix with a power drill at low speed for

approximately 2 minutes. No induction time is required prior to use. If micro-media agents are to be incorporated, they are to be added after thoroughly mixing A and B. Use the mixture within 15 minutes.

#### Mortar

Product must not freeze. Combine 2 components Part A, 1 component Part B and 24 component Part C (For floor application) or 10 component Part C (For Wall application), mechanically mix them with a power drill at low speed for approximately 2 minutes. No induction time is required prior to use. Use the mixture within 30 minutes.

#### **Application**

##### Primer

Squeegee or roller application is recommended. Small chip brushes may be used along the perimeter and in more difficult to reach areas. Mortar Primer EP will typically be dry to the touch 2-3 hours after application, depending on ambient temperature, slab temperature and humidity. Prior to re-coating, Mortar Primer EP should be lightly sanded with a floor sander with a 60-screen pad or equivalent. Following sanding, the area should be given a quick solvent wipe with acetone or other adhesion promoter prior to re-coating. Do not ever use alcohol to clean the floor. Product may be re-coated at that time or when deemed appropriate by system specification.

##### Mortar

Apply the Mortar EP evenly on the still "tacky" Mortar Primer EP, using levelling battens and screed rails as necessary. After a short waiting time compact and smoothen the mortar with a trowel or powerfloat.

#### **AVAILABILITY AND COST**

##### **Availability**

LATICRETE® materials are available worldwide. For distributor information, call:

**Telephone:** (65) 6515-3028

**Fax:** (65) 6515-3037

For on-line distributor information, visit LATICRETE at [se.laticrete.com](http://se.laticrete.com)

##### **Cost**

Contact a LATICRETE Distributor in your area.

#### **WARRANTY**

Subject to the conditions and limitations stated below, LATICRETE South East Asia Pte Ltd warrants that its products will be free from manufacturing defects and will not break down or deteriorate under normal usage for a period of one (1) year from the date of purchase when installed in accordance with the written specifications of LATICRETE and industry standard guidelines.

#### **MAINTENANCE**

The long term performance, appearance, and life expectancy of wear surface products are critically dependence upon a good routine maintenance program designed specifically for the installed wear surface. Epoxy floor coating systems are nonporous, causing dirt and contaminants to remain on the surface. The use of properly placed walk-off mats, inside and outside, will help increase the life of the floor.

Recommend maintenance program consist on frequent and through cleaning utilizing a neutral pH cleaner (e.g. Simple Green®). Frequency of washing will vary depending on floor usage type, traffic and age.

#### **TECHNICAL SERVICES/ CONTACT**

##### **Technical Assistance**

Information is available by calling:

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##### **Technical and safety literature**

To acquire technical and safety literature, please visit our website at [se.laticrete.com](http://se.laticrete.com)