



For the Builders
of a Better World™

Primer EP

Primer EP is a fast drying low odor, two part and low viscosity epoxy resin primer for concrete substrates. The product provides excellent adhesion to new or existing concrete and is intended for use in conjunction with Guard EP as a multi-coat system.



FEATURES/BENEFITS

- Superior adhesion to concrete
- Excellent inter-coat bond strength
- Low viscosity
- Easy application
- Good penetration
- Short waiting times

USES

- For priming concrete substrates, cement screeds and epoxy mortars
- For normal to strong absorbent substrates
- Binder for levelling mortars and mortar screeds
- Primer for Guard coating systems

MANUFACTURER/ DISTRIBUTED BY

LATICRETE South East Asia Pte Ltd
No. 38 Sungei Kadut Street 2 (Level 2, A3) Singapore 729245
Telephone: +65 6515 3028 Fax: +65 6515 3037
Internet: se.laticrete.com

STANDARDS/CERTIFICATIONS

- ASTM D4541
- ANSI A118.8
- ASTM D522
- ASTM D2794

Packaging

Part A - 20kg

Part B - 5kg

Approximate Coverage

One set of Primer EP yield a coverage of approximate 121m² at 0.15mm thick per coat

Estimated consumption of Primer EP depending on the surface absorption, roughness, loss and wastage.

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year* if stored off the ground in a dry area, at temperatures $\geq 0^{\circ}\text{C}$ and $\leq 40^{\circ}\text{C}$ 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.

Colors

Available in Clear for primer.

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**Performance Properties**

Test	Test Method	Results
Pull of Strength (7 days)	ASTM D4541	$\geq 3 \text{ N/mm}^2$
Shear Bond Adhesion Strength (Normal)	ANSI A118.8	$\geq 9 \text{ N/mm}^2$
Flexibility	ASTM D522	Excellent
Humidity Resistance delamination of the film (700 hours)	ASTM D522	Excellent
Impact Resistance	ASTM D2794	Excellent

Working Properties

Dry Film Thickness	0.15 mm	
Pot Life	30 minutes	
Full Cure	7 days	
Mixing Ratio	4 Part A; 1 Part B by weight	
	Part A	Part B
Supply form	Liquid	Liquid
Density	1.37kg/ℓ	

Results shown are typical but reflect test procedures used. Actual field performance 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**

The recommended surface temperature during application is typically between 5°C to 40°C . Always ensure the surface is properly prepared, as an open and porous surface is essential for effective 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

Product must not freeze. Combine 4 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 part A and part B. Use the mixture within 30 minutes.

Application

Squeegee or medium roller application is recommended. Small chip brushes may be used along the perimeter and in more difficult to reach areas. 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, 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 promotor 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.

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

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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Singapore 729245

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Fax: (65) 6515-3037

Email: enquiry@laticrete.com.sg

Technical and safety literature

To acquire technical and safety literature, please visit our website at se.laticrete.com

Disclaimer

LATICRETE is not responsible for product use beyond its intended application. Liability is limited to replacing defective materials. We are not responsible for any loss or damage resulting from improper use. Product specifications are subject to change without notice. For the most up-to-date information, please visit our website at se.laticrete.com.