



Clear EP

Clear EP is a 2 components, 100% solid content, high gloss, transparent epoxy coating, glossy finish and optical clarity which provides a durable, abrasion resistant, impact resistant and non-staining finish surface.

Globally Proven
Construction Solutions



FEATURES/BENEFITS

- High abrasion resistant
- Transparent in appearance
- High Impact resistant
- Gloss finish
- Non-staining finish
- Excellent adhesion to most types of substrates
- High chemical resistant
- Non flammable
- Ease of application

USES

- Top coat for coloured epoxy coating.
- Seal coat for decorative chips and colour flakes finish which prevent dirt pick up / hot tyre traces.
- Resurfacing for dull and lusterless epoxy finish.

MANUFACTURER/ DISTRIBUTED BY

LATICRETE South East Asia Pte Ltd (Level 2, A3)
No. 38 Sungei Kadut, Street 2, Singapore 729245
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STANDARDS/CERTIFICATIONS

ASTM D4541
ASTM D4060
ASTM D2240

Packaging

Part A: 10kg

Part B: 5kg

Approximate Coverage

One set of Clear EP yield a coverage of approximate 90 m² at 0.12mm thick per coat

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

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.

Colors

Transparent

Cautions**FOR PROFESSIONAL USE ONLY**

- The technical data sheets should read in conjunction with the 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**Working Properties**

Dry Film Thickness	0.3-0.5 mm per coat (Seal Coat) ≤0.8mm (Selfleveling)	
Pot Life	45 minutes	
Recoat Time	7-12 hours	
Time to Light Traffic	24 hours	
Full cure	7 Days	
Mixing Ratio	2 Part A; 1 Part B by weight	
	Part A	Part B
Supply form	liquid	liquid
Colour	Transparent	Transparent
Density	1.10 kg/ℓ	

Test	Test Method	Results
Pull-Off Adhesion Strength	ASTM D4541	≥3 N/mm ²
Hardness	ASTM D2240	≥70 Shore D
Abrasion Resistance	ASTM D4060	< 30mg

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 South East Asia Pte Ltd. 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**

Ensure substrate to be coated is clean, dry, and in sound condition. All laitance, curing compounds, concrete hardeners, and other surface contaminants shall be removed. Prior to application, prepare surface by mechanical grinding. Remove surface protrusions. Repair and filling the depressions using the appropriate material. Consult with Laticrete Technical for further information.

Mixing:

Mechanical mixing is required for Clear EP. A low speed drill mixer is recommended. Pre-mix the component A & B individually first for about 30 seconds. Mix component A slowly and add component B into a clean mixing container. Continue to mix for 2 — 3 minutes. Mix until the mixture is homogenous. Apply the mixture within 45 minutes.

Application:**Seal Coat**

Apply the mixed material by brush, short hair roller. Recoating interval approximately 12 - 24 hours after the first coat is applied.

Self-levelling topping

Pour the mixed material onto the prepared surface, and spread evenly using a notched squeegee and followed by spike roller to remove entrapped air.

Broadcast:

Resin matrixed decorative chips or quartz finish can be sealed by Clear EP which provides an easy clean surface and help to prevent stubborn stains pick up.

Curing

Clear EP curing time is 24 hours at 25°C to 35°C. The curing time varies depending on the ambient temperature, humidity. The coating require 7 days curing to achieve full chemical properties.

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, non-staining surface. The use of properly placed walk-off mats, inside and outside, will help to prolong the life span of the floor. Recommend maintenance regime require periodical and through scrubbing and cleaning utilizing a neutral pH cleaner (e.g. Simple Green®). Frequency of cleaning regime is vary depending on service conditions, traffic condition etc.

IMPORTANT NOTE

Clear EP is a non-UV resistant finish which will be yellowing when directly exposed to sun light and UV lights.

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