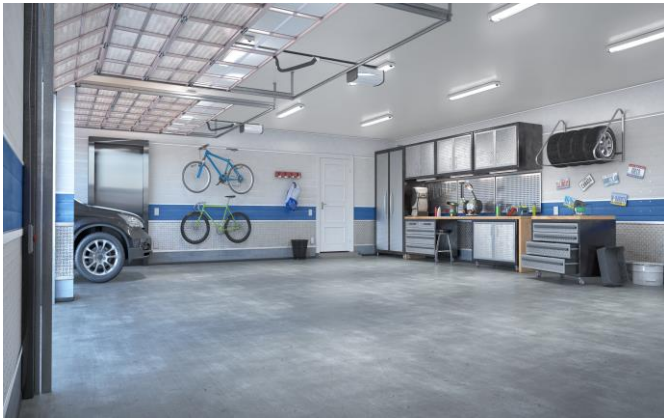




Globally Proven  
Construction Solutions

## Clear PU

Clear PU is a high solid content, two-part transparent solvent based polyurethane resin coating. It is specially formulated to provide a durable, UV resistant protective coating system.



### FEATURES/BENEFITS

- Solvent Based
- High Chemical resistant
- Dustproof
- Transparent finish
- High Abrasion resistance
- Protection from UV light – prevent discoloration of epoxy coating finish
- Excellent adhesion to most type of substrates

### USES

- Floor protection against aggressive acids, alkalis and mineral oil, hydrocarbon, chlorides etc
- Protective seal coat to parking decks, industrial floors, warehouse and medium / high traffic areas
- Protective sealer to Flakes finish, Quartz finish and Colored topcoat, terrazzo decorative concrete surfaces

### MANUFACTURER/ DISTRIBUTED BY

LATICRETE South East Asia Pte Ltd (Level 2, A3)

No. 38 Sungei Kadut, Street 2, Singapore 729245

Telephone: +65 6515 3028 Fax: +65 6515 3037

Internet: [se.laticrete.com](http://se.laticrete.com)

### STANDARDS/CERTIFICATIONS

- ASTM D2240
- ASTM D4541
- ASTM D4060

**Packaging**

Part A: 3kg

Part B: 1.5kg

**Approximate Coverage**

One set of Clear PU yield a coverage of approximate 185m<sup>2</sup> at 0.10 mm thick per coat.

Estimated consumption of Clear PU depends 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**

- 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.
- Applications only for interior & exterior finishes.

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**

Working Properties		
Dry Film Thickness	0.10 mm per coat	
Pot Life	45 minutes	
Recoat Time	6 hours	
Open to Light Traffic	12 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	White
Density	1.05 kg/l	

Test	Test Method	Results
Abrasion Resistance	ASTM D4060	<25mg
Pull-Off Adhesion Strength	ASTM D4541	>3 N/mm <sup>2</sup>
Shore A Hardness	ASTM D2240	70

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 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**

Assure substrate to be coated is clean, dry, and in sound condition. All laitance, curing compounds, concrete hardeners, and other surface contaminants must be removed. Shot-blast or grind areas to be coated. Patch and level depressions and protrusions on the substrate.

**Mixing:**

Mechanical mixing is required for Clear PU. A low speed drill mixer is recommended. Stir component A & B individually first for about 30 seconds. Mix 1 component B slowly and add 2 component A. Continue to mix for 2 - 3

minutes. Mix until the mixture is even colour. Use the mixture within 45 minutes.

#### **Application:**

Apply the coating by brush or short hair roller in 2 to 3 coats, the 2nd and 3rd coat applied after the initial coat has achieved touch dry of a minimum 6 hours.

#### **Curing**

Clear PU is chemical curing. The curing time is depending on the ambient temperature, relative humidity and the quantity mixed and placed. Under normal circumstances initial curing will take place overnight. The coating will fully be cured in 7 days.

### **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 Clear PU 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 dependent 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 thorough 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:

LATICRETE South East Asia Pte Ltd  
(Level 2, A3)

No. 38 Sungei Kadut, Street 2,  
Singapore 729245

Telephone: (65) 6515-3028

Fax: (65) 6515-3037

Email: [enquiry@laticrete.com.sg](mailto:enquiry@laticrete.com.sg)

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

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