



## GUARD PU

Two component, UV resistant polyurethane-based sealer and wear coat.

GUARD PU is specially developed for flooring and Terrazzo system meant for industrial, commercial, and residential areas where greater resistance to abrasion, chemicals, and non-yellowing (when exposed to direct sunlight) are necessary.



### FEATURES/BENEFITS

- Hard wearing
- Excellent chemical resistant
- UV resistant
- Abrasion resistant

### USES

- Terrazzo Floor
- Chemical processing area
- Food processing
- Food court
- Pavements
- Parking Area
- Garages

### STANDARDS

ASTM D4060, ASTM D4541, ASTM G154

### MANUFACTURER

**LATICRETE Middle East LLC.**  
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[www.laticrete.me](http://www.laticrete.me)

**Packaging:****GUARD PU Clear:**

(2 component Unit: Part A- Base & Part B-Hardener)

**GUARD PU Clear:**

4.5 Liter set (Part A- 3.63 kg, Part B- 0.87 kg).

**Guard PU Pigment:**

18 Liter set (Part A- 16 kg, Part B- 3.8 kg).

Available in Gloss & Matte finish.

**Suitable Substrates**

- Concrete, Terrazzo etc.
- Epoxy Terrazzo, Coatings etc.
- PU coating

**Approximate Coverage**

- GUARD PU Clear: 10-12 Sq. Meter per liter per coat.
- Guard PU Pigmented: 5 - 6 Sq. Meter per liter per coat.

Above coverage is intended as a guide, it may vary depending upon substrate profile/flatness, texture, absorption, film thickness, application technique and wastages. Actual coverage shall be determined by mockup area based on site conditions.

**Shelf Life**

Nine (9) months from the date of production if stored properly in original, unopened, and undamaged sealed packaging.

**Limitations**

Substrate and air temperature must be between 10°C and 35°C. Substrate temperature must be 3°C alignment above the dew point.

Note: Prior to application, identify any hollows or non-solid area of existing floor. All non-solid concrete should be removed and repaired. It is very important that the finished product is applied over sound, solid, and suitable concrete substrate, or coating.

**Cautions****Health and safety**

- It contains flammable solvent, hence follow the warning signals in packaging & SDS.
- Wear protective gloves, clothing, safety shoes, and eye wear.
- May cause skin irritation.
- May cause an allergic skin reaction. If rash occurs,

remove individual from the work area and seek physician's care for dermatitis.

- May cause serious eye irritation. In case of eye contact, flush with water for at least 15 minutes and consult a physician.
- If contact with hardeners occurs, remove any clothing involved and flush the skin with flowing water. Do not attempt to wash and reuse it. This material can be removed with soap and water. Do not use acetone.
- If swallowed, do not induce vomiting; call a physician immediately.
- Keep out of reach of children.
- Consult SDS for more safety information.

**TECHNICAL DATA**

Properties	Values
Pot Life (internal)	60 min
Surface Dry	45 mins
Tack Free	2 hrs
Recoatability	3 – 4 hrs
UV resistance, ASTM G154	Passes
Bond strength, ASTM D4541	>2.5 N/mm <sup>2</sup> , concrete failure
Shore A Hardness (ASTM D2240)	65 (avg)
Abrasion resistance: Taber Wheel CS10/1000g/1000 cycles (ASTM D 4060)	< 0.1g mass loss
Light Foot Traffic	24 hrs days
Full Cure	7 days
Chemical resistance*	Resistant to various chemicals.

\*Note: Please consult LATICRETE Technical Services for list of chemicals.

Above results are typical properties achieved in laboratory tests at Correct: 25 ± 2 °C at 50 ± 2 % Relative Humidity. The data in the above table shall be used by the Project Design Professional to determine suitability, placement, building code conformance and overall construct appropriateness of a given installation assembly.

**INSTALLATION****Surface Preparation**

Surfaces to be treated must be dry, sound, free from oil or other contaminants, loosely adhering coatings, laitance, and dust. Application: Ensure surface is prepared and completely dry.

**Mixing**

Guard PU is supplied in two components. Mix Part A-Base uniformly to incorporate any settlement during storage. Add Part B - Hardener completely into Part A-Base. To ensure that all material is extracted, the insides of the tins should be scrapped. Mix with a slow speed,

heavy duty electric drill and a spiral mixing paddle for at least 2 - 3 minutes and until homogenous mix is achieved.

### Application

1. The product may be applied using a brush, roller, or spray (conventional or airless).
2. Allow to dry for 3- 5 hrs. for subsequent coat depending upon ambient temperature.
3. Allow to full cure for 7 days prior to service.

### Note:

- Application temperature of the substrate should be in the range of +10 to 35°C.
- Do not dilute with thinners or solvent.
- Apply the material in properly ventilated areas.
- When applying externally it is recommended to avoid direct sunlight and avoid application during the hottest times of the day.

### Cleaning and waste disposal

All tools and equipment shall be cleaned immediately after use with "Solvent X". Dispose empty containers, waste solvent, other used items as per local government regulation. Spillages should be absorbed with sand or sawdust and disposed of as per local regulations. Consult Safety data sheet.

Note: Mock-ups and field test areas are required in order to validate performance and appearance related characteristics (including but not limited to finish, 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 coating system. Variability in job site conditions (including but not limited to surface preparation, sunlight, humidity, dew point, temperature, etc.) during application of LATICRETE products may lead to fisheyes, blistering, pinholes, wrinkling, or outgassing of air in the concrete and are not product defects.

### AVAILABILITY AND COST

#### Availability

LATICRETE® materials are available worldwide.

#### For distributor information,

Please contact us by email at: [enquiry@laticrete.me](mailto:enquiry@laticrete.me) or visit [www.laticrete.me](http://www.laticrete.me)

### Cost

Contact a LATICRETE® closer distributor to obtain complete information and cost.

### WARRANTY

The supplier warrants that this product will not deteriorate under normal conditions and use, with a warranty validity of one (1) year. The product is subject to the terms and conditions stated in the LATICRETE® Product Warranty. Please consult our technical support for further information.

### 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.

LATICRETE 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. Recommended maintenance program consists of frequent and thorough cleaning utilizing a neutral pH cleaner. The frequency of washing will vary depending on floor usage type, traffic, and age.

Please refer to TDS 3141 "Floor Maintenance Guide." available at [www.laticrete.com](http://www.laticrete.com) for more information.

### TECHNICAL SERVICES

#### Technical assistance

For information contact us by email at: [technicalservice@laticrete.me](mailto:technicalservice@laticrete.me)