



For the Builders  
of a Better World™

## Guard PU WB

Guard PU WB is a 2 components, water based aliphatic polyurethane coating, specifically formulated for industrial, commercial and residential floors.



### FEATURES/BENEFITS

- Seamless
- Low VOC, water based
- Hygienic, easy to clean
- High abrasion and chemical resistance
- UV stable, safe for interior / exterior applications
- Suitable for repairs and renovations of existing coatings
- Available in a wide spectrum of colors or clear with a glossy or matte surface finish to meet your exact needs.

### USES

- Areas with light, medium and high traffic
- Hard ware areas such as Industrial and commercial floor and wall, carpark decks, garages, warehouse, pedestrian areas, laboratories, clean room, pharmaceutical, refineries, printing pulp paper, mills, bridge tunnel, roofing and other industrial plants sectors where chemical resistance are required

### MANUFACTURER/ DISTRIBUTED BY

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

### STANDARDS/CERTIFICATIONS

- ASTM D4060
- ASTM E303
- ASTM D4541

### Suitable Substrates

Over Concrete

### Packaging

Part A - 9kg  
Part B - 1kg

### Coverage

One set of Guard PU WB yield a coverage of approximate 70m<sup>2</sup> at 0.1mm thickness per coat

### 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.

### Limitations

- This is a product of Industrial use and not domestic. It should only be applied by personnel with an adequate sense in the appropriate methods of application and handling of the product. Not applicable on asphalt floor, tiles, clay brick, copper, aluminum, wood floors or urethane-derived compositions such as elastomeric membranes, composite polyester fibers, PVC membranes. Do not apply to porous surfaces where the water vapor stream may be present during application. Do not apply to surface with water or completely moist. Do not apply over concrete and moisture is greater than 10%.
- Actual color shade, and texture may vary due to job site conditions, installation technique and raw material. The colors of cured material may not match and in some cases differ considerably between the actual colors achieved on site. No responsibility can be accepted once the products have been applied. Rest assures that essential controls are taken during the production of the product colors.
- Color and gloss retention of the coating finish may vary depending on type of color, subject to environmental exposures such as temperature, UV intensity, chemical spills, application quality and generic type of resinous finish. Contact LATICRETE Technical representative for further information.

### Cautions

Before using any LATICRETE product:

- Check [se.laticrete.com](http://se.laticrete.com) for any technical bulletins or updated information about the product and its application
- Consult MSDS for more safety information

### TECHNICAL DATA

#### Performance Properties

Test	Test Method	Results
Adhesion Strength	ASTM D4541	$\geq 3\text{N/mm}$
Abrasion resistance	ASTM D4060	1000 cycle weight loss $<45\text{mg}$

Slip Resistance (BNP)	ASTM E303	40 (wet), 80 (Dry)
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Working Properties	
Density	1.3 $\pm$ 0.05g/ml
Pot life(working time)	
30 °C	1 hour
Recoating time(30 °C)	Minimum 5-6 hours Maximum 24 hours
Drying time (1 coat)	5 hours 30 minutes
Drying time (2 coats)	6 hours
Foot traffic	10-12 hours
Final cure	7 days

Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

### INSTALLATION SYSTEM

#### Surface Preparation

The recommended surface temperature during application is typically between 5°C to 40°C. Concrete must be prepared mechanically to remove all surface contamination. Use one of the following tools to mechanically profile the concrete surface to achieve a homogenous ICRI CSP 2 or 3 texture by Diamond grinding machine

The prepared surface should have a nominal tensile strength of 225 psi per ASTM D7234. Concrete must be tested for relative humidity (RH) prior to installation of any coatings. The RH of the slab must not exceed 75% as tested per ASTM F2170.

Honeycombs or voids exposed due to mechanical preparation must be treated with the appropriate filler from our approved products.

#### Cracks & Joints

Inspect substrate to identify all moving and non-moving cracks/joints. Method of repair for moving cracks/joints should be designated by local onsite project engineer. All non-moving cracks/joints should be addressed and infilled prior to application of surface coating.

#### Mixing

Stir Part A (9kg) mix for 30seconds by using a suitable electrical stirrer (with 750 RPM high power mixer), then add all of Part B (1kg, Hardener) and mix both liquid parts thoroughly for one minute until the mixture is homogeneous.

#### Application

By rolling, brushing or spraying. As finish we recommended to roll in one direction back roll with a wide short-pile mohair roller.

### AVAILABILITY AND COST

#### Availability

LATICRETE and LATAPOXY 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

LATICRETE South East Asia Pte Ltd warrants that Guard PU is free from manufacturing defects and will not to break down, deteriorate or disintegrate under normal usage for a period of one (1) year from date of purchase subject to terms and conditions stated.

### MAINTENANCE

The long term performance, appearance, and life expectancy of wear surface products are critically dependence upon a good routine maintenance regime designed specifically for the installed wear surface.

### TECHNICAL SERVICES

#### Technical Assistance

Information is available by calling:

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No. 38 Sungei Kadut Street 2  
(Level 2, A3)  
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)

#### 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](http://se.laticrete.com).