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 smooth and anti-slip finish

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 (Level 2, A3)
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Internet: se.laticrete.com

STANDARDS/CERTIFICATIONS
- ASTM D4060
- ASTM E303
- ASTM D4541
### Suitable Substrates
- Over Concrete

### Packaging
- Part A (5kg) : Part B (1kg)

### Coverage
One set of Guard PU WB yield a coverage of approximate 42m² at 0.1mm thickness per coat

### Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for 12 months if stored off the ground in a dry area, at temperatures 10°C - 30°C.

### 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%.

### Cautions
Before using any LATICRETE product:
- Check 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

<table>
<thead>
<tr>
<th>Test</th>
<th>Method</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adhesion Strength</td>
<td>ASTM D4541</td>
<td>&gt;3N/mm</td>
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<tr>
<td>Abrasion resistance</td>
<td>ASTM D4060</td>
<td>1000 cycle weight loss&lt;45mg</td>
</tr>
<tr>
<td>Slip Resistance (BNP)</td>
<td>ASTM E303</td>
<td>40 (wet), 80 (Dry)</td>
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</table>

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

### INSTALLATION SYSTEM
#### Surface Preparation
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 ICPI 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 nonmoving cracks/joints should be addressed and infilled prior to application of surface coating.

#### Mixing
Stir Part A mix for 30seconds by using a suitable electrical stirrer (with 750 RPM high power mixed), then add all of Part B (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) 6515-0028
- **Fax:** (65) 6515-3037

For online distributor information, visit LATICRETE at 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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Technical and safety literature
To acquire technical and safety literature, please visit our website at se.laticrete.com