Guard PU

Polyurethane is a colored/clear; gloss and matt ready to use solvent base two component coating based on high quality polyester branched polyurethane resin.

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<tr>
<th>FEATURES/BENEFITS</th>
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**FEATURES/BENEFITS**

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- Hygienic, easy to clean.
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- Hard wearing floors.
- Wide range of colors.

**USES**

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

**STANDARDS/CERTIFICATIONS**

- ASTM D 4060-10
- ASTM E96/E96M-10

**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: www.laticrete.com.sg
Suitable Substrates
- Over Concrete

Packaging
- Gloss finish – Part A (4kg) : Part B (1kg)
- Matt finish – Part A (4.5kg) : Part B (1kg)

Coverage
One set of Guard PU (Gloss Finish & Matt Finish) yield a coverage of approximate 42m² at 0.1mm thick 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 www.laticrete.com.sg for any technical bulletins or updated information about the product and its application
- Consult MSDS for more safety information

TECHNICAL DATA
Performance Properties

<table>
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<th>Value</th>
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<tr>
<td>Adhesive Strength</td>
<td>&gt;1.5N/mm (Concrete Failure)</td>
</tr>
<tr>
<td>Abrasion resistance</td>
<td>1000 cycle weight loss 5mg</td>
</tr>
<tr>
<td>Water Permeability</td>
<td>Nil-Karsten test (impermeable)</td>
</tr>
<tr>
<td>ASTM D 4060 -10 Taber Abraser Wear Index in mg/1000 revolutions/1kg</td>
<td>37mg</td>
</tr>
<tr>
<td>ASTM E96/E96M-10 Water Vapor Transmission, g/hr.m²</td>
<td>1.23±</td>
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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
Substrate concrete or screed should be a minimum of compressive strength 25N/mm² and adhesive pull-off strength of minimum 1.5N/mm². The substrate should be clean and free from laitance, oil, dust, loose constituents, paint residues, chemicals, algae and other contamination should be removed. The substrate should be dry and free from ground water pressure. The substrate must be prepared by vacuum shot blasting, rough contaminations to remove by grinding. Cracks and hallows should be properly remedied. Prepare grooves 3mm wide x 3mm deep at all edges, bay joints columns, doorways and drains for anchoring purpose.

Application conditions
- Do not apply when the relative humidity exceeds 90% on when the surface to be coated is less than 5% above the dew point.
- Do not apply temperatures below 5°C and temperatures above 40°C

Mixing
Stir Part A mix for 30seconds by using a suitable electrical stirrer (with 750 RPM high power mixer), then add all of Part B (Hardener) and mix both liquid parts thoroughly for one minute until it fully achieved a homogeneous mixture.
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 www.laticrete.com.sg

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:

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

Technical and safety literature
To acquire technical and safety literature, please visit our website at www.laticrete.com.sg