Guard PA Pure

Guard PA Pure is a low VOC and minimal-odor fast-curing two-part polyaspartic aliphatic polyurea sealer/finish coating for both decorative and protective applications. The material is applied in single or multiple coats by brush, roller or squeegee varying thicknesses to a variety of substrates including concrete and metal.

It can be applied as a top coat employed within seamless multi-build chip/quartz seamless flooring systems. Important characteristics of Guard PA Pure are its rapid-cure capabilities, high bond strength, UV resistance and excellent color/gloss retention.

Guard PA Pure provides optimal impact, abrasion, and chemical resistance characteristics. Suitable for high traffic applications. The material is ideal for use as a primer, intermediary coating, or clear topcoat sealer within interior resinous flooring applications requiring minimal installation odor.

FEATURES/BENEFITS
- Walk-on in hours, 24-hour return to service
- Low VOC
- Excellent abrasion, impact & wear resistance
- UV-Resistant; retains optical clarity of clear sealer/finish
- Low temperature cure (4°C)
- Excellent chemical & stain resistance, resistant to Skydrol®
- Resistant to hotwire pickup
- MicroMedia agents can be introduced as traction additives
- Meets FDA/CFSAN, U.S. Food Code, physical facilities criteria as outlined in 6.100.11 Surface Characteristics USDA acceptable.

USES
- Primer
- Intermediary coating
- Clear top coat sealer

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

STANDARDS/CERTIFICATIONS
- ASTM D4541
- ASTM D638
- ASTM D2794
- ASTM 4060
- ASTM D635
- ASTM D2240

This product has been certified green Singapore Green Building Council.
Packaging
Clear Units:
7.6 L Clear Kits:
Part A: 3.8 L
Part B: 3.8 L
Pigment Base Units:
Part A: Short Filled: 2.8 L in 1 3.8 L pail
Part B: 3.8 L

Approximate Coverage

<table>
<thead>
<tr>
<th>Dry Film Thickness: (mm)</th>
<th>m² Per Coat/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.2</td>
<td>4.9</td>
</tr>
<tr>
<td>0.23</td>
<td>4.4</td>
</tr>
<tr>
<td>0.25</td>
<td>3.9</td>
</tr>
</tbody>
</table>

Shelf Life
12 months unopened. Store at 4°C to 24°C in a covered area (out of the sun). Material should be kept in a cool dry place prior to application.

Color
Guard PA Pure is available in a waterclear glass finish as well as all standard LATICRETE® colors, including safety colors.

Limitations
- Not intended for use over countertops

Cautions

FOR PROFESSIONAL USE ONLY
- Thoroughly read all technical data sheets, application guidelines, warranty disclaimers and Safety Data Sheets (SDS) prior to use. Application guides depending on the dye system employed are available at se.laticrete.com.
- Polyaspartic aliphatic polyurea products contain chemical ingredients that are considered hazardous. Read the container label warning and SDS prior to use.
- Wear safety eye protection and safety gloves when applying. Contact with eyes may cause irritation. Flush eyes with water for 15 Minutes, if symptoms persist seek medical attention.
- Tape color transition lines firmly to reduce dye “bleed” under taped line.
- Material should be kept in a cool dry place prior to application.
- Maximum Recoat time: 24 hours

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

Physical & Working Properties

<table>
<thead>
<tr>
<th>Physical Properties</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Pot Life</td>
<td>45 Minutes at 25°C</td>
</tr>
<tr>
<td>Mixing Ratio</td>
<td>1.0 Part A; 1.0 Part B by Volume</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>4500 to 5000 psi (31 - 34.5 MPa)</td>
</tr>
<tr>
<td>Impact Resistance</td>
<td>Direct/Reverse 160/160</td>
</tr>
<tr>
<td>Sand Abrasion</td>
<td>38 Liters Sand/1 Dry mil (Pigmented)</td>
</tr>
</tbody>
</table>

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 International, Inc. 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
Surfaces to be coated must be free of grease and any other contaminants that may impede adhesion. Always check the surface for any bond inhibitors prior to application. Any repairs must be addressed prior to application and should be repaired in accordance with ICRI standards. A moisture emission measurement system is necessary to assess the moisture drive of a concrete slab prior to installation of any toppings or coatings. The transmission rate must not exceed three pounds per 1,000 square feet per 24 hours. The relative humidity of the slab must not exceed 75% as tested per ASTM F2170 Relative Humidity in Concrete Slab test. If there is a moisture emission situation in excess of the above rate, use MVB. The application process will depend on the system being installed, reference appropriate specification for details. Guard PA Pure may be used as a topcoat or applied direct to concrete. Concrete must be ground to an ICRI CSP2 profile or the equivalent of 30-60-grit sandpaper. This profile is achieved with a surface grinder equipped with metal bond diamonds.

Mixing
Maintaining a consistent storage temperature prior to application will maximize working time.

Pigmented Coatings
Add full contents of LATICRETE Polyaspartic Pigment pack directly into short filled Part A Tint Base. Mix pigment into Part A with a slow speed drill mixer for 2 minutes to fully disperse the aspartic pigments. Failure to properly mix pigments may lead to an inconsistent finish and reduced product performance.

Mixing Part A with Part B
Mix part A and part B in equal parts (1:1) using a clean, dry working vessel. Use a paddle mixer on slow speed for 2 minutes. Avoid over-mixing or creating a vortex that would introduce air. Do not mix below the dew point, which will shorten the pot life. No induction time is required prior to use. If micromedia agents (e.g. Grip Traction Additive)
are to be incorporated, they are to be added after thoroughly mixing A
and B.

**Application**

Suggested application thickness is 0.2 mm or 18.5 m\(^2\) per coat, per
gallon. Contact LATICRETE directly for specifics on effective application
techniques. Maximum application mil thickness in a single application is
0.25 mm. Material will be dry to the touch 23 hours after application,
dependent on ambient temperature, slab temperature and humidity.
Product may be re-coated within 2-24 hours following application. Light
foot traffic is acceptable 3 to 4 hours following application and vehicular traffic is acceptable 24 hours after application. If using as a
top-coat over epoxy, it is critical that the epoxy not be let down with
alcohol during installation or cleaned with alcohol prior to top-coating.
Always apply over Epoxy within the manufacturer’s recommended re-
coat time.

**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 its products 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 dependence upon a good routine
maintenance program designed specifically for the installed wear
surface. LATICRETE polyaspartic and epoxy floor coating systems are
nonporous, causing dirt and contaminants to remain on the surface.
The use of properly placed walkoff mats, inside and outside, will help
increase the life of the floor. Recommend maintenance program consist
on frequent and through 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

---

**Technical and safety literature**

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