



GUARD PU (H)

Guard PU (H) is an acrylic water-based polyurethane coating engineered to deliver exceptional water resistance, quick drying times, long-lasting durability, and excellent adhesion to cementitious topping.

**For the Builders
of a Better World™**



FEATURES/BENEFITS

- Ready-to-use
- Quick drying
- Stain resistance
- Easy to clean
- Low wearing

USES

- Suitable for application on acrylic polymer cementitious coatings, Latadeck (CD).
- Applicable as a coating finish to self-levelling compound.

MANUFACTURER/ DISTRIBUTED BY

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

STANDARDS/CERTIFICATIONS

- ASTM C531
- BS EN 13892
- SS 485
- BS EN ISO 10545



This product has been certified green by the Singapore Green Building Council.

Suitable Substrates

- Acrylic polymer cementitious topping
- Self-levelling compound
- Concrete

Packaging

22kg pail

Approximate Coverage

One pail can yield approximately 132m² per coat.

Colors

Paver Grey, Cadet Grey

Shelf Life

Factory sealed container of this product is guaranteed to be of first quality for twelve (12) months and if stored off the ground in a dry area, at temperatures >0°C and <40°C.

Limitations

- Please note LATICRETE masonry surfaces and floor finishes are not intended to be perfectly homogeneous in appearance. Shade of color may vary slightly as these use natural mined resources. The typical application procedures of spreading and smoothing, along with the sanding process, will result in optical variations in the appearance of the floor. The aesthetic appearance that is created is subject to possible technical and artistic tolerances. Variations in the overall finished appearance should be expected.

Cautions

Consult MSDS for more safety information.

- Contains Portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Do not take internally. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children.
- Protect finished work until fully cured.

TECHNICAL DATA

Performance Properties

Guard PU (H) on Latadeck (CD)

Test	Test Method	Results
Linear Shrinkage	ASTM C531	≤ 0.05% No Visual Crack
Abrasion Resistance After Thermal Aging	BS EN 13892	≤ 0.6mm
Abrasion Resistance (28 Days)	BS EN 13892	≤ 0.5mm
Slip Resistance	SS485	40 – 50 BPN
Resistance to Stains	BS EN ISO10545	Class 5

Working Properties

Touch Dry (25 °C)	1-2 hours
Light traffic	5-6 hours
Finish surface	Satin / Semi-gloss

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

INSTALLATION SYSTEM

Preparation

All surfaces should be between 5°C to 40°C and structurally sound, clean and free of all dirt, oil, grease, loose peeling paint, laitance, concrete sealers or curing compounds. Dry, dusty concrete slabs or masonry should be dampened and excess water swept off. Installation may be made on a damp surface. All slabs must be plumb and true to within 6mm in 3m.

Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate. Follow ANSI Specification AN-3.8 "Requirements for Expansion Joints" or TCA Details EJ171 "Expansion Joints".

Surface Preparation

The substrate shall be solid, firm and free from laitance, dust and dirt. All loose concrete shall be removed.

Application

Guard PU (H) can be applied using a roller or brush. Pour the material into a clean paint tray. Using a 50 mm (2") synthetic brush, stripe coat all edges, joints, corners, and equipment, ensuring full coverage of the areas.

After the stripe coat has sufficiently cured and is ready for overcoating, apply Guard PU (H) to all surfaces as liberally as possible, aiming for a wet film thickness (WFT) of approximately 0.10 mm to 0.15 mm per coat.

Once cured, the coated surface should exhibit a smooth finish. Any dull or uneven areas should be overcoated with an additional layer of Guard PU (H). A minimum of two coats is recommended.

After achieving a uniform finish, allow the system to cure under ambient temperature conditions. Note that drying times may be longer in cooler temperatures or under high humidity.

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

Cost

Contact a LATICRETE Distributor in your area.

WARRANTY

LATICRETE South East Asia Pte Ltd warrants that Guard PU (H) is free from manufacturing defects and will not 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.

TECHNICAL SERVICES

Technical Assistance

Information is available by calling:

LATICRETE South East Asia Pte Ltd
No. 38 Sungei Kadut Street 2
(Level 2, A3)
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 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.