



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

Latadeck

Latadeck is a fibre reinforced polymer cementitious coating system. It is recommended as an abrasion, skid and water resistance coating for all purpose trafficable usage, and is suitable for internal and external application, bicycle track, roads, carpark, driveway, walkway.



FEATURES/BENEFITS

- Excellent in upgrading projects for use above new or old concrete.
- Good abrasion and scrap resistance. Can withstand foot traffic without protective cover.
- Good water-resistant for exposed and wet area applications.
- Attains high tensile and flexural strength, suitable for both foot and vehicular traffic.
- Skid resistance for noise reduction to concrete vehicular ramps and driveways.
- Easy to use and labour cost savings.
- Good climate resistance.
- Tough and durable.

USES

- Interior or exterior applications to dry and wet areas for new and upgrading projects.
- Repair and re-surfacing to damaged concrete staircases.
- As water, skid and wear resistance coating to suit open, enclosed and basement car-park applications.
- It is effective as an anti-skid finishing to multi-storey car park driveway and ramp, especially to descending and ascending cornering areas.
- Coating to internal and external walkways for new and upgrading projects.
- Underlayment for industrial floors in high wearing areas to architect's specification.
- To used as Bicycle track, driveway, walkway, road and carparks.

MANUFACTURER/ DISTRIBUTED BY

LATICRETE South East Asia Pte Ltd
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Internet: se.laticrete.com

STANDARDS/CERTIFICATIONS

- | | |
|---------------------|------------------------|
| ▪ ASTM D4060:01 | ▪ ASTM C348:02 |
| ▪ ASTM C531 | ▪ ASTM C307:03 |
| ▪ BS476 | ▪ ASTM C109M:02 |
| ▪ ASTM 154:00ae1 | ▪ ASTM C482:02 |
| ▪ ASTM D4541:2002 | ▪ ASTM E303:2003 |
| ▪ DIN 1041:Part5:91 | ▪ BS EN 20105-A03:1995 |



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

Suitable Substrates

- Concrete
- Cement screed
- Concrete masonry

Packaging

Part A = 25kg bag

Part B = 5ℓ /pail

Color

Default Grey, White & other colors upon request.

Approximate Coverage5.4m² with 3mm thickness**Shelf Life**

Factory sealed containers of this product Part A are guaranteed to be of first quality for one (1) year and Part B are guaranteed to be of first quality for two (2) years if stored off the ground in a dry area, at temperatures ≥ 0 to ≤ 40 °C.

Limitations

- Please note LATICRETE concrete overlay's 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**

| Test | Test Method | Results |
|---------------------------|---------------------|-------------------------|
| Flexural Strength | ASTM C348:02 | $\geq 9\text{N/mm}^2$ |
| Tensile Strength | ASTM C307:03 | $\geq 5.5\text{N/mm}^2$ |
| Compressive Strength | ASTM C109M:03 | $\geq 45\text{N/mm}^2$ |
| Shear Bond Strength | ASTM C482:02 | $\geq 2.4\text{N/mm}^2$ |
| Skid Resistance | ASTM E303:2003 | $\geq 65\text{BPN}$ |
| Water Penetration | DIN 1048: Part 5:91 | $< 5\text{mm}$ |
| Taber Abrasion Resistance | ASTM D4060:01 | $\leq 0.35\text{g}$ |
| Shrinkage | ASTM C531 | $\leq 0.1\%$ |

| | | |
|--|----------------------|---|
| Non combustibility test | BS476 | Non combustible |
| Accelerated Weathering- UV Exposure (after UV exposure for 1000 hours) | ASTM 154:00ae1 | No cracking, softening, debonding, peeling and blistering |
| Adhesion to Substrate | ASTM D4541:2002 | $\geq 2\text{N/mm}^2$ |
| Colour Fastness-Grey scale for assessing staining | BS EN 20105-A03:1995 | Grey Scale 4/5 |

Working Properties

| | |
|------------------------|----------|
| Pot Life | 1 Hour |
| Open for light traffic | 24 Hours |

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".

Application

1. Prepare surface by using Laticec Primer before application of Latadeck.
2. Pour Latadeck Part B (liquid) into a 20 litre pail and slowly add part A (dry mix), mix with a high speed mixer (1000 - 14000 rpm) for 5 minutes until a homogenous lump-free mixture is obtained. Avoid entrapping air during mixing.
2. The consistency of the mixed mortar allows application of 3 ~ 10mm in thickness for each layer. Apply Latadeck onto moist surface with trowel or rubber tool. To achieve maximum skid resistance, wooden float/trowel surface-finish is recommended.
3. Clean tools with water immediately after use. Cured materials can only be removed mechanically.

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 Latadeck 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:

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Singapore 729245
Telephone: (65) 6515-3028
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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.