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 resurfacing to damaged concrete staircases.
- As water, skid and wear resistance coating to suit open, enclosed and basement carpark applications.
- It is effective as an anti-slip finishing to multistorey 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 (Level 2, A3)
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Internet: se.laticrete.com

STANDARDS/CERTIFICATIONS

- ASTM D4060:2014
- ASTM C531
- BS476
- ASTM D4541:2002
- DIN 1041
- ASTM C348:2014
- BS EN 20105A03:1995
Suitable Substrates
- Concrete
- Cement screed
- Concrete masonry

Packaging
Part A = 25kg bag
Part B = 5e /pail

Color: Grey, White & colours upon request.

Approximate Coverage
5.4m² 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 0-40 °C.

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**

<table>
<thead>
<tr>
<th>Performance Properties</th>
<th>Test</th>
<th>Test Method</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexural Strength</td>
<td>ASTM C348:2014</td>
<td></td>
<td>&gt;1.1N/mm²</td>
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<tr>
<td>Tensile Strength</td>
<td>ASTM C307:2003(2012)</td>
<td></td>
<td>&gt;5.5N/mm²</td>
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<tr>
<td>Compressive Strength</td>
<td>ASTM C109/109W:2016a</td>
<td></td>
<td>&gt;46N/mm²</td>
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<tr>
<td>Shear Bond Strength</td>
<td>ASTM C492:2002(2014)</td>
<td></td>
<td>&gt;2.8N/mm²</td>
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<tr>
<td>Skid Resistance</td>
<td>ASTM E303:1993(2013)</td>
<td></td>
<td>&gt;6.5PN</td>
</tr>
<tr>
<td>Water Penetration</td>
<td>DIN 1041</td>
<td></td>
<td>&lt;0.4mm</td>
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<tr>
<td>Taber Abrasion Resistance</td>
<td>ASTM D4060:2014</td>
<td></td>
<td>≤0.33g</td>
</tr>
<tr>
<td>Shrinkage</td>
<td>ASTM C531</td>
<td></td>
<td>≤0.1%</td>
</tr>
<tr>
<td>Non combustibility test</td>
<td>BS476</td>
<td></td>
<td>Non combustible</td>
</tr>
<tr>
<td>Accelerated Weathering UV</td>
<td>ASTM G154:2016</td>
<td></td>
<td>No cracking,</td>
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<tr>
<td>Exposure (after UV exposure</td>
<td></td>
<td></td>
<td>softening,</td>
</tr>
<tr>
<td>for 1000 hours)</td>
<td></td>
<td></td>
<td>debonding,</td>
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<tr>
<td>Adhesion to Substrate</td>
<td>ASTM D4541:2002</td>
<td></td>
<td>2.3N/mm²</td>
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<tr>
<td>Colour Fastness/Grey scale</td>
<td>BS EN 20105-</td>
<td></td>
<td>Grey Scale 4/5</td>
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<tr>
<td>for assessing staining</td>
<td>A03:1995</td>
<td></td>
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</tbody>
</table>

Working Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pot Life</td>
<td>1 Hour</td>
</tr>
<tr>
<td>Open for light traffic</td>
<td>24 Hours</td>
</tr>
</tbody>
</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**

**Preparation**
All surfaces should be between 8° C to 35° 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 AN3.8 “Requirements for Expansion Joints” or TCA Details EJ171 “Expansion Joints”.

**Application**
1. Prepare surface by using Laticrete Primer before application of Latadec.
2. Pour Latadec 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 lumpfree mixture is obtained. Avoid entrapping air during mixing.
3. The consistency of the mixed mortar allows application of 3 – 10mm in thickness for each layer. Apply Latadec onto moist surface with trowel or rubber tool. To achieve maximum skid resistance, wooden float/trowel surface-finish is recommended.
4. 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) 65153028
Fax: (65) 65153037
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 Latadec 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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No. 38 Sungei Kadut, Street 2,
Singapore 729245
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Technical and safety literature
To acquire technical and safety literature, please visit our website at
se.laticrete.com