



Flow UT MF

Flow UT MF consists of 4-components, flow-applied, self-smoothing polyurethane matt finish flooring. Thickness applied from 3-6mm, seamless, high chemical resistant, high mechanical properties, temperature and slip resistant finish.

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



FEATURES/BENEFITS

- Suitable for steam water cleaning.
- Hard wearing, good abrasion resistance.
- High chemical resistance against alkali, acids, bases and organic solvents.
- High mechanical and impact resistance.
- Thermal service range from -5°C to +90°C*.
- Resist fungi, mildew and bacteria growth.
- Solvent free, odorless.
- Enable positive slip resistant value.
- GMP, HACCP compliance floor surface.

**Subjects to thickness applied.*

USES

- Food & beverage manufacturing
- Central kitchen
- Chemical processing / containment tanking
- Cool rooms / storage
- Food / beverage serving area
- Floor surface subjects to thermal shock
- High trafficking decks
- Laboratories
- Abattoir

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 D4541
- ASTM C579
- ASTM D4060
- ISO 221196-2011

Suitable Substrates

- Over Concrete

Packaging

Part A: 3kg

Part B: 3kg

Part C: 14kg

Part D: 0.3kg (Pigmented filler)

A complete packaging: 20.3kg

Coverage

One set of Flow UT MF yield a coverage of approximate 3.50 m² at 3mm thick per coat.

Colours

Forest Green, Emerald Green, Sandy Yellow, Rosewood Red, Ice Blue, Silver Grey, Steel Grey.

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for twelve (12) months if stored at temperatures $\geq 0^{\circ}\text{C}$ and $\leq 40^{\circ}\text{C}$ in a covered area (out of the sun).

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 se.laticrete.com for any technical bulletins or updated information about the product and its application
- Consult MSDS for more safety information

TECHNICAL DATA**Performance Properties**

Test	Test Method	Results
Adhesion Strength	ASTM D4541	$\geq 1.5 \text{ N/mm}^2$
Compress Strength	ASTM C579	$\geq 48.0 \text{ N/mm}^2$
Abrasion Resistance, Taber, CS 17	ASTM D4060	120 mg
Anti-microbial behavioural	ISO 221196-2011	99.9%

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

Working Properties

Pot Life (30°C)	15-20 mins
Light Traffic	12 hours
Full Service Traffic	24 hours
Fully Chemical Cure	7 days

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

INSTALLATION**Surface Preparation**

The recommended surface temperature range during application is typically between 5°C to 40°C. Substrate concrete or screed should be a minimum of compressive strength 30.0 N/mm² and adhesive pull-off strength of minimum 1.5 N/mm². The substrates should be clean and free from laitance, oil, dust, loose constituents, paint residues, chemical, algae and other contamination should be removed. The substrates should be dry and free from ground water pressure. If the substrate moisture content exceeded 5%, apply an effective moisture vapor barrier. The substrate must be prepared by captive shot blasting, remove all surface laitance and loose particles etc. Cracks and hollows should be properly remedied. Prepare grooves 5mm wide X 5mm deep at all edges, bay joints columns, doorways and drains for anchoring purpose.

Mixing (3mm)

Prior to commencement the mixing, agitate the both Part A & Part B. Pour both Part A and Part B into a clean mixing container and mix for 1 minutes using a power helical spinner mixer. Add the Part D, Pigmented filler into the mixing container and mix till homogeneous the colour. Add the Part C into the mixing container and mix for 2 minutes till homogeneous the mix.

Application

Apply the mixed material onto the prepared surface, spread evenly using a clearance control notched squeegee and finish with a steel trowel. Followed by a spike roller to release entrapped air. Leave it to cure for 7 – 10 hours at 25°C.

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

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

LATICRETE and LATAPOXY® grouts require routine cleaning with neutral pH soap and water or LATICRETE cleaners. All other LATICRETE and LATAPOXY materials require no maintenance but proper installation as per instruction.

Performance and durability may depend on properly maintaining of Installed area.

TECHNICAL SERVICES/ CONTACT

Technical Assistance

Information is available by calling:

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Singapore 729245
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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.