



Globally Proven
Construction Solutions

Flow UT MF

Flow UT MF consists of 3-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.

FEATURES/BENEFITS

- Enable steam water cleaning
- Hard wearing, good abrasion resistance
- High chemical resistance against alkali, acids, bases and organic solvents.
- High mechanical and impact resistant.
- Thermal service range from -5°C to +90°C*
- Resist fungi, mildew and bacteria growth
- Solvent free, odorless.
- Easy clean finish 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 C942
- ASTM D638-14
- ASTM C348 : 2002
- BS EN 1770 : 1998
- ASTM D4060

Suitable Substrates

- Over Concrete

Packaging

Part A: 3kg

Part B: 3kg

Part C: 14kg

A complete packaging: 20kg

Coverage

One set of Flow UT MF yield a coverage of approximate 3.50 m² at 3mm thick per coat, and 1.80 m²

Colours

Red, Green, Cream, Light Grey, Dark Grey and Brown Beige

Shelf Life

Twelve (12) months if unopened components stored off the ground in a dry area, at temperatures 10 - 32 °C.

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**

Density	1.9 kg/mm ²
Pot life(working time)	
8 °C	35 mins
15 °C	25 mins
30 °C	18 mins
Curing time (35 °C)	
Pedestrian Traffic	24 hours
Light Traffic	18 hours
Fully Chemical Cure	5 days
Tensile Strength	7.0 N/mm ²

Compress Strength	50.0 N/mm ²
Flexural Strength	21 N/mm ²
Thermal Service	At 3mm: -5°C - 80°C At 6mm: -5°C - 90°C
Coefficient of Thermal Expansion BS EN 1770: 1998	3.5 x 10 ⁻⁵ °C
Dynamic Elastic Modulus	14,500 N/mm ²
ASTM D 4060-10 Taber Abraser	1.0 g/1.0 kg load/1000 cycles
Impact Resistant BS 8204-1, BS 1881:Part 201	<0.5 mm indentation (1 meter drops)
Mix Ratio	A (3): B (3) : C (14) by weight (20 kg packing)

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**Surface Preparation**

Substrate concrete or screed should be a minimum of compressive strength 25.0 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

- Agitate Part A & Part B before pouring into the barrel; pour all the Part B and Part A into the clean mixing barrel and mix for 10 second by using a suitable electrical helical blades mixer (with 750watt power drill), then only add in the Part C to mix at least one minute until fully achieved a homogeneous mixture.

Application

- Pour the mixture on the prepared surface and spread evenly using a clearance control notched pined rack to the thickness of 3mm or 6mm.
- Apply spike roller to release entrapped air subsequently after smoothed with a steel trowel.

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 Flow UT MF is free from manufacturing defects and will not to 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.

MAINTENANCE

The long term performance, appearance, and life expectancy of wear surface products are critically dependence upon a good routine maintenance regime designed specifically for the installed wear surface.

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