



For the Builders  
of a Better World™

## Mortar UT HF

Mortar UT HF consists of 5-components, trowel-applied polyurethane mortar screed applied in thickness from 6-9mm heavy duty floor finish. It provide a seamless, high mechanical properties, high chemicals, anti-slip surface, freeze and thaw resistance with texture matt finish.



### FEATURES/BENEFITS

- Suitable for hygienic hot water steaming clean.
- Hard wearing; good abrasion resistance.
- High chemical resistance against alkaline, acids, bases and organic solvents.
- High mechanical and impact resistance.
- Temperature service with wide range between -35°C to 140°C\*
- Resist fungi, mildew and bacteria growth.
- Solvent free, odorless.
- Anti-slip finish for wet and oily floor.
- GMP, HACCP, compliance hygienic Industrial floors.

*\*subject to thickness applied*

### USES

- Abattoir.
- Dry/wet food processing, beverage, seafood, meat production.
- Central kitchen.
- Cold storage, freezer.
- Confectionery manufacturing.
- Palm oil processing.
- Wet packaging plants.
- Dairy products manufacturing.

### MANUFACTURER/ DISTRIBUTED BY

LATICRETE South East Asia Pte Ltd  
38 Sungei Kadut Street 2 (Level 2, A3) Singapore 729245  
Telephone: +65 6515 3028 Fax: +65 6515 3037  
Internet: [se.laticrete.com](http://se.laticrete.com)

### STANDARDS/CERTIFICATIONS

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



This product is certified by HACCP International.

**Suitable Substrates**

- Over Concrete
- Polymer modified screed

**Packaging**

Part A: 3kg

Part B: 3kg

Part C: 14kg

Part D: 0.3kg (Pigmented filler)

Part E: 12kg

A complete set packaging: 32.3 kg

**Coverage**

One set of Mortar UT HF yield a coverage of approximate 2.55 m<sup>2</sup> at 6mm thick per coat, 1.70 m<sup>2</sup> at 9mm 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](http://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 (25°C)	15-20 mins
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. Concrete substrate or polymer modified screed should have a minimum of compressive strength 30.0 N/mm<sup>2</sup> and adhesive pull-off strength of minimum 1.5 N/mm<sup>2</sup>. 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. 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 8mm wide X 8mm deep at all edges, bay joints columns, doorways and drains for anchoring purpose.

**Mixing**

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. Add the Part E, the aggregate into the mixing container and mix for another 2 -3 minutes till homogeneous the mix.

**Application**

Pour the mixture on the prepared surface and spread evenly using a clearance control notched pined rack to the thickness of 6mm or 9mm. Apply spike roller to release entrapped air subsequently after smoothed with a steel trowel.

Apply Mortar UT HF Topping, must within the pot life (working time  $\pm$  15 minute.)

**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](http://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:

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](mailto:enquiry@laticrete.com.sg)

### Technical and safety literature

To acquire technical and safety literature, please visit our website at [se.laticrete.com](http://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](http://se.laticrete.com).