



Globally Proven  
Construction Solutions

## Mortar UT HF

Mortar UT HF is consists 4-components, trowel-applied polyurethane mortar screed applied in thickness from 6-9mm heavy duty floor finish. Its 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.

\*subject to thickness applied

### USES

- GMP, HACCP, compliance hygienic Industrial floors
- 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  
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Singapore 729245  
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Internet: [se.laticrete.com](http://se.laticrete.com)

### STANDARDS/CERTIFICATIONS

- ASTM C942
- ASTM D638-14
- ASTM C348 : 2002
- BS EN 1770 : 1998

**Suitable Substrates**

- Over Concrete
- Polymer modified screed

**Packaging**

Part A: 3 kg  
Part B: 3 kg  
Part C: 14 kg  
Part D: 12 kg

A complete set packaging: 32.0 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**

Red, Green, Cream, Light Grey, Dark Grey, 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](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**

Density	2.2 kg/mm <sup>2</sup>
Pot Life(Working Time)	
30 °C	+/- 15 minutes
15 °C	+/- 25 minutes
8 °C	+/- 35 minutes
Curing time (35°C)	

Pedestrian Traffic	8 hours
Heavy Traffic	24 hours
Fully Chemical Curing	5 days
Compressive Strength	50 N/mm <sup>2</sup>
Flexural Strength	15 N/mm <sup>2</sup>
Thermal Service	At 6-9mm: -35°C to 140°C
Taber Abrasion Resistant ASTM D4060	1.0 g/1 kg/1000 cycles
Coefficient of Thermal Expansion BS EN 1770: 1998	2.5 x 10 <sup>-5</sup> °C
Dynamic Elastic Modulus	20,000 N/mm <sup>2</sup>
Impact Resistant BS 8204-1, BS 1881-Part 201	<0.5 mm indentation
Mix Ratio	A (3): B (3) : C (14): D(12) by weight (32 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**

Concrete substrate or polymer modified screed should have a minimum of compressive strength 25.0 N/mm<sup>2</sup> and adhesive pull-off strength of minimum 1.5N/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**

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. Add the Part D into the mixture, and mixed for another 2 minutes until 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

LATICRETE South East Asia Pte Ltd warrants that Mortar UT HF 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

(Level 2, A3)

No. 38 Sungei Kadut, Street 2,

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)