



# Restoration Plaster

Globally Proven  
Construction Solutions

Restoration Plaster is a cementitious plaster which is light weight and vapor permeable. It is formulated to mix with cement and special polymer additive which can be applied for internal and external masonry, brick walls and other restoration work.



## FEATURES/BENEFITS

- Non-flammable
- Good plasticity and workability
- Excellent to be used on historic walls
- Less rigid and breathable
- Lightweight, Durable
- Spray applied viable
- Volume stability
- Optimum coverage and cost effective

## USES

- Interior and exterior historic walls
- Recess in walls and ceiling
- Mortars for masonry construction
- Mortars to receive coating finishes
- Mortars for restoration work

## MANUFACTURER/ DISTRIBUTED BY

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  
Internet: [se.laticrete.com](http://se.laticrete.com)

## STANDARDS/CERTIFICATIONS

- BS EN 1015-18
- ASTM C109
- BS EN 1745

**Suitable Substrates**

- Concrete
- Brick masonry
- Masonry Mortar

**Packaging**

25kg bag

**Coverage**20m<sup>2</sup> at 1mm thickness**Shelf Life**

Factory sealed containers of this product are guaranteed to be of first quality for six (6) months\* if stored at temperatures >0°C and <40°C.

\* High humidity will reduce the shelf life of bagged product.

**Limitations**

- Restoration Plaster should not be applied to formwork
- Avoid direct contact with surface water during application
- Restoration Plaster should not be used as skimming finish
- Additional additives, binding agent or cement should not be added to Restoration Plaster
- Rendering machine is not applicable to be used for applying Restoration Plaster

**Cautions**

Consult MSDS for more safety information.

- Contains cementitious mortar, polymer additives and sands. 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. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children.

**TECHNICAL DATA****Performance Properties**

Test	Test Method	Results
Compressive Strength (28 days)	ASTM C109	>4.2N/mm <sup>2</sup>
Coefficient of water absorption	BS EN 1015-18	<0.7kg/m <sup>2</sup>
Thermal Conductivity	BS EN 1745	0.36 W/m•K

**Working Properties**

Working Time	30 - 45 minutes
Pot Life (30°C)	1.5 hours - 2 hours

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will vary depending upon site conditions.

**INSTALLATION****Surface Preparation**

All surfaces should be between 4°C and 32°C and structurally sound, clean and free of all dirt, oil, grease, loose peeling paint, concrete sealers

or curing compounds. Dry, dusty concrete slabs or masonry should be dampened before application.

Installation may be made on a damp surface. Expansion joints shall be provided from all construction or expansion joints in the substrate. Follow ANSI Specification AN-3.8 "Requirements for Expansion Joints" or TCA Detail EJ171 "Expansion Joints". Do not cover expansion joints with mortar.

**Mixing Mortar Plaster**

Carefully check areas to be repaired for degraded substances or materials. These can be mortar, brick, stone or concrete. Remove and replace with near similar materials.

This will ensure that thin layers can be applied without cracking problems and proper cement hydration and adherence of the mortar to the substrate is attained.

Slurry bond coat is recommended between the restoration plaster and concrete surface. Slurry bond coat shall be tacky before applying the restoration plaster.

**Step 1:** Use about 5.5 litres to 6.5 litres of water per 25kg bag of Restoration Plaster. Use the correct dosage of water into a mixing drum. Add in all the powder contents of the bag while mixing continuously for about 3 minutes with a mechanical mixer to achieve a desired trowellable consistency.

Move the mixing paddle around the drum to ensure that mix is lump free. Do not mix more than the required duration as this will cause premature setting

**Step 2:** Allow mix to stand for 3 minutes for powdered additives to dissolve. Reagitate mix and plaster is now ready for use.

**Step 3:** Apply plaster to the prepared substrate, applying some pressure and finished with a steel trowel or spatula to ensure optimum bonding of the plaster to the substrate surface.

If the thickness of restoration plaster is 30mm or more, wire mesh reinforcement such as galvanized steel mesh or light type expandable metal plastering mesh is recommended. Float to desired flatness/level or pitch/finish.

When applying several coats, the previous coat must be sufficiently dry before the subsequent coat is applied.

After completion, protect the restoration plaster from any form of disturbance for a minimum of 24 hours. For external application, protect the plaster from drying out under the sun.

\*Actual mix ratio & field performance will depend on application methods, site condition and temperature.

**Hot Weather Note: (>35°C)**

The evaporation of moisture in Portland cement mortars is accelerated by hot, dry conditions.

### Cleaning

Clean tools and tile work with water while mortar is fresh.

### 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 Restoration Plaster 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

### MAINTENANCE

LATICRETE and LATAPOXY materials are premium quality construction products requiring no maintenance to ensure performance. For aesthetic/hygienic reasons, LATICRETE and LATAPOXY grouts can be routinely cleaned with soap and water.

### TECHNICAL SERVICES

#### Technical Assistance

Information is available by calling:

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(Level 2, A3)

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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)