



# 325 Flex

Globally Proven  
Construction Solutions

High performance, polymer modified cementitious powder that is to be mixed only with water and applied using the thin-set method.



## FEATURES/BENEFITS

- Excellent bond to porcelain
- Easy to apply
- Ready to use, just mix with water
- Long open time
- Water & Heat resistant
- Strong bond and durable
- Can be used for interior and exterior
- Bond to most substrates

## USES

Designed for interior and exterior; floor and wall installation of all types of ceramic tiles and natural stones over concrete and variety of substrates.

## MANUFACTURED/ DISTRIBUTED BY

LATICRETE Philippines, Inc.  
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## STANDARDS/CERTIFICATIONS

- BS EN 1348
- BS EN 1346
- BS EN 1308
- ANSI A118.4, American National Standard Specifications for Modified Dry-Set Cement Mortar



This product has been certified green under the Singapore Green Building Council.

### Suitable Substrates

- Gypsum Wallboards
- Cement Backer Boards
- Concrete
- Concrete Masonry
- Cement Mortar Beds
- Cement Plaster

### Packaging

25kg bag, 80 bags per pallet

### Color

White and Grey

### Coverage

25kg of 325 Flex mixed with 6.5ℓ- 7.25ℓ of water will yield a coverage of 8.0m<sup>2</sup> - 8.5m<sup>2</sup> with 6mm x 6mm square notched trowel.

### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year\* if stored off the ground in a dry area, at temperatures >0°C and <40°C.

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

### Limitations

- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick, and stone are not designed as replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE Waterproofing Membrane.
- Note: Surfaces must be structurally sound, stable, and rigid enough to support ceramic/stone tile, thin brick, and similar finishes. Substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed L/360 for thin bed ceramic tile/brick installations or L/480 for thin bed stone installations where L=span length.

### Cautions

Consult MSDS for more safety information.

- Contains portland cement and silica sand. 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	Specification	Results
Tensile Adhesion Strength (28 days)	EN 1348	≥1N/mm <sup>2</sup>	>1.9N/mm <sup>2</sup>
Tensile Adhesion after Water Immersion (28 days)	EN 1348	≥1N/mm <sup>2</sup>	>1.3N/mm <sup>2</sup>
Tensile Adhesion after Heat Ageing (28 days)	EN 1348	≥1N/mm <sup>2</sup>	>1.2N/mm <sup>2</sup>
Open Time (30mins)	EN 1346	≥0.5N/mm <sup>2</sup>	>0.8N/mm <sup>2</sup>
Slip Resistance	EN 1308	<0.5mm	<0.3mm
Shear Bond Strength	ANSI 118.4	≥0.5N/mm <sup>2</sup>	>1.4N/mm <sup>2</sup>

### Working Properties

#### 325 Flex

Open Time (25°C)	30 minutes
Pot Life (25°C)	2 hours
Time to Light Traffic	24 hours

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

### Surface Preparation

All surfaces should be between 8°C and 35°C and structurally sound, clean, and free of all dirt, oil, grease, paint, concrete sealers or curing compounds. Rough or uneven concrete surfaces should be made smooth with LATICRETE Latex Portland Cement underlayment to provide a wood float (or better) finish. Dry, dusty concrete slabs or masonry should be dampened, and excess water swept off. Installation may be made on a damp surface. New concrete slabs shall be damp cured and 28 days old before application.

Note: Latex Portland Cement Mortars do not require a minimum cure time for concrete slabs. All slabs must be plumb and true to within 6mm in 3m. Expansion joints shall be provided through the tile work 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. Glass Mesh Mortar Unit: follow TCA installation detail W244.

### Mixing

Place clean, potable water into a clean pail. Add 325 Flex powder. Use approximately 6.5ℓ- 7.25ℓ of water for 25kg of powder. Mix by hand or with a slow speed mixer to a smooth, trowelable consistency. Allow mortar to slake for 3-5 minutes. Adjust consistency if necessary. Remix and apply with proper sized notched trowel. Please do not mix other aggregates such as cement or sand, etc., to 325 Flex. Actual mix ratio & field performance will depend on application methods, site conditions and temperature.

### Application

Apply mortar to the substrate with the flat side of the trowel, pressing firmly to work into surface. Comb on additional mortar with the notched side.

Note: Use the proper sized notched trowel to ensure full bedding of the tile. Spread as much mortar as can be covered with tile in 15-20 minutes. Back butter large tiles 300mm x 300mm to provide full bedding and firm support. Place tiles into wet, sticky mortar and beat in using a beating block and rubber mallet to embed tile and adjust level. Check mortar for complete coverage by periodically removing a tile and inspecting bedding mortar transfer onto back of tile. If mortar is skinned over (not sticky), remove, and replace with fresh mortar.

### 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: +632 8656 6118

For on-line distributor information, visit LATICRETE at:  
[ph.laticrete.com](http://ph.laticrete.com)

### Cost

Contact a LATICRETE Distributor in your area.

## WARRANTY

LATICRETE Philippines, Inc. warrants that 325 Flex is free from manufacturing defects and will not 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

LATICRETE and LATAPOXY grouts require routine cleaning with a neutral pH soap and water. All other LATICRETE and LATAPOXY materials require no maintenance, but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

## TECHNICAL SERVICES/CONTACT

Technical Assistance  
Information is available by calling:

LATICRETE Philippines, Inc.  
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### Technical and Safety Literature

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