



## 317 Floor & Wall - Thin Set Adhesive

A bagged cementitious powder to install ceramic or porcelain tiles and stones in both interior and exterior applications for floors and walls.



### ADVANTAGES



- Excellent non-sag formula for wall applications
- Smooth, easy to trowel formula.
- Dual purpose, for walls and floors

### USES

- Designed for interior or exterior installation.
- To Install ceramic, porcelain tile and natural stone
- For walls and floors.
- Suitable for wet areas such as bathrooms, kitchens etc.

### MANUFACTURER

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### STANDARDS / CERTIFICATIONS



C2TE as Per EN12004 and  
 ISO13007  
 Meets ANSI A 118.4

**Packaging** - 20kg bag; 72 bags per pallet

**Color:** Grey and White

#### Suitable Substrates

Exterior Glue Plywood (EGP)<sup>^^</sup>  
Concrete/Masonry  
Cement Plaster  
Cement Mortar Beds  
Cement Terrazzo  
Cement Backer Boards<sup>\*\*\*</sup>  
Gypsum Wallboard<sup>^</sup>  
Existing Ceramic Tile & Stone

#### Suitable Tiles

Porcelain tile,  
Ceramic tile,  
Quarry tile,  
Natural Stone,  
Pavers & Brick  
Terrazzo

<sup>^</sup>Interior Use Only

<sup>^^</sup> When mixed with 3701 Latex Admix (Interior use only)

<sup>\*\*\*</sup> Consult cement backer board manufacturer for specific installation recommendations and to verify acceptability for exterior use.

#### Approximate Coverage for 20Kg bag.

Trowel notch size	Sqm.
6 mm x 6 mm	5.5 – 6.5
6 mm x 9 mm	5.0 – 6.0

*NOTE: Above coverage is intended as a guide, it may vary depending upon application technique, substrate profile/flatness, trowel angle, trowel wear and wastage factor. Actual coverage shall be determined by mockup area based on site conditions.*

#### 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. *high humidity will reduce the shelf life of bagged product.*

#### Limitations

- For veneer installations using this product, consult local building code requirements regarding limitations and installation system specifications.
- For light-colored marble or stone, use 317 Floor and wall in white.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not designed as replacements for waterproofing membranes. When a waterproofing barrier is required, use a Waterproofing Membrane (see Section 10 FILING SYSTEM).
- DO NOT bond to particle board, luan, Masonite® or hardwood surfaces.
- Wait 14 days after the final grouting period before filing water features with water at 21°C.

#### Cautions

Consult MSDS for more safety information.

- Protect finished work from traffic or damage by other trades for an extended period of time during cold

weather conditions. At room temperature conditions (21°C) protect overnight.

- 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. Avoid breathing dust. Wear a respirator in dusty areas.
- Use a 317 wall & floor white for white and light-colored marble and stone.
- Use LATAPOXY® 300 Adhesive for installing green marble, water sensitive stone and agglomerates and resin backed tiles and stones.
- Keep out of reach of children.

#### TECHNICAL DATA

VOC Content: Very low VOC

Performance Properties

317 Floor and Wall when mixed with water, exhibits the results shown in the tables

Table 1: ANSI A 118.4

Test (Method)	Age	Specification	Result
Porcelain Mosaic Tile Shear Strength (7.2)	1 day	>75psi (0.5 MPa)	0.6 – 0.8 MPa
	7 days	>200psi (1.38 MPa)	1.4 – 1.8 MPa
	7 days water immersion	>150psi (1.03 MPa)	1.1 – 1.4 MP
	28 days	>200psi (1.38 MPa)	1.50 – 2.0 MPa
	28-day w/freeze-thaw cycling	> 175 psi (1.21 MPa)	1.3 – 1.6 MPa

Table-2: EN 12004-2/ ISO 13007-2

Initial tensile adhesion strength	≥ 1.0 N/mm <sup>2</sup>	1.4 - 2.2 N/mm <sup>2</sup>
Tensile adhesion strength after water immersion	≥ 1.0 N/mm <sup>2</sup>	1.2 - 2.0 N/mm <sup>2</sup>
Tensile adhesion strength after heat ageing	≥ 1.0 N/mm <sup>2</sup>	1.2 - 2.2 N/mm <sup>2</sup>
Tensile adhesion strength after freeze-thaw cycles	≥ 1.0 N/mm <sup>2</sup>	1.1 - 1.8 N/mm <sup>2</sup>
Open time: tensile adhesion strength, 30 mins	≥ 0.5 N/mm <sup>2</sup>	0.6 - 0.8 N/mm <sup>2</sup>
Slip (T)	≤ 0.5 mm	Passes

Working Properties @ 23°C and 50% R.H.

Test	Result
Open Time	30 minutes
Pot Life	2 hours
Adjustability time	Approx. 50 minutes
Time to Traffic (foot-Light)	24 hours
Time to Grout (Floor)	24 hours
Time to Grout (Wall)	24 hours
Ready for full service	2 weeks
Wet Density	1.65-1.70 kg/L

*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 4°C and 32°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 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 6 mm in 3 m. Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate. Follow ANSI specification A108.01-3.7 "Requirements for Movement Joints: Preparations by Other Trades" or TCNA detail EJ-171 "Movement Joints—Vertical & Horizontal". Do not cover expansion joints with mortar.

- A. Installer must verify that deflection under all live, dead and impact loads of interior plywood floors does not exceed industry standards of L/360 for ceramic tile and brick or L/480 for stone installations where L=span length.
- B. Minimum construction for interior plywood floors. SUBFLOOR: 15 mm thick exterior glue plywood, either plain with all sheet edges blocked or tongue and groove, over bridged joints spaced 400 mm o.c.

maximum; fasten plywood 150 mm o.c. along sheet ends and 200 mm o.c. along intermediate supports with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 3 mm between sheet ends and 6 mm between sheets edges; all sheet ends must be supported by a framing member; glue sheets to joints with construction adhesive. UNDERLAYMENT: 15 mm thick exterior glue plywood fastened 150 mm o.c. along sheet ends and 200 mm o.c. in the panel field (both directions) with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 3 mm to 6 mm between sheets and 6 mm between sheet edges and any abutting surfaces; offset underlayment joints from joints in subfloor and stagger joints between sheet ends; glue underlayment to subfloor with construction adhesive. Refer to Technical Data Sheet 152 "Bonding Ceramic Tile, Stone or Brick Over Wood Floors" for complete details.

### Mixing:

Place clean, potable water or latex admix into a clean pail. Add 317 Floor & Wall. use approximately 4.2 - 4.4 L of water for 20 kg of powder. Mix by hand or with a slow speed mixer to a smooth, trowelable consistency. Allow mortar to slake for 5–10 minutes. Adjust consistency if necessary. Remix and apply with the proper sized notched trowel.

### 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 > 200 mm x 200 mm 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.*

### Grouting

Grout installation after a minimum of 24 hours curing time at 21°C.

Recommended LATICRETE Grout:

Grout	Type	Mixing
SPECTRALOCK® Pro Premium Grout	Epoxy Based	Part A+B+C
PERMACOLOR® Grout	Cementitious	Mix with water
1500 Sanded Grout / 1600 Unsanded Grout	Cementitious	Mix with 1776 Grout Enhancer or with water.

## AVAILABILITY AND COST

### Availability

LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE Telephone: For on-line distributor information, visit [www.laticrete.com](http://www.laticrete.com)

**Cost:** Contact a LATICRETE® closer distributor to obtain complete information and cost.

## WARRANTY

The supplier warrants this product will not deteriorate under normal conditions and use, the warranty validity of one (1) year. The product subject to the terms and conditions stated in the LATICRETE® Product Warranty. Please consult our technical support for further information

## TECHNICAL SERVICES

### Technical assistance

For information contact:  
[enquiry.ksa@laticrete.me](mailto:enquiry.ksa@laticrete.me)

### Technical and safety literature

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

**Warning:** The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® unable to directly control the installation conditions and modalities of application of products, do not assume any liability arising from their implementation. Those who want to use the LATICRETE® products must conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.

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