



305 Adhesive

A bagged cementitious powder that forms a reliable adhesive when mixed with water, ideal for installing small and medium-sized ceramic tiles using the thin-set application method.



ADVANTAGES



- Ready to use, just mix with water.
- Good open time.
- Good bond and durable.
- Highly Economical

USES

- Designed for interior installation.
- Small / medium size ceramic tile on floor & wall.

MANUFACTURER

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STANDARDS / CERTIFICATIONS



Meets ANSI A 118.1
 Requirements.



DCI CERTIFIED

Please see the technical data

Packaging: 20 Kg bags
Colors: Grey and White
Pallet: 72 bags per pallet

Suitable Substrates

- Concrete masonry
- Cement mortar bed
- Brick Masonry

Coverage

Approximate coverage for per 20 kg bag.

NOTCH TROWEL	COVERAGE
6 mm x 6 mm	5.0– 6.0 m ²
6 mm x 9 mm	4.5 – 5.5 m ²
12 mm x 12 mm	2.5 – 3.0 m ²

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.

Limitations

- Not for use as grout. Use suitable LATICRETE® grouts.
- Do not install when surface temperature is below 5°C or above 35°C.
- Not for use as a wear surface.
- Adhesives for ceramic tile and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE® Waterproofing Membrane (see Section 10 FILING SYSTEMS).
- Consult LATICRETE® Technical Services on limitations for exterior installations.

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 SDS 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. Avoid breathing dust. Wear

a respirator in dusty areas.

- Keep out of reach of children.
- Protect finished work until fully cured

TECHNICAL DATA

Working Properties (At 23°C)

Wet density	1.70 gm/cm ³
Open time	25 minutes
Pot life	2 Hrs.
Time to traffic	48 Hrs.

Note: 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

Preparation

All surfaces should be between 5° C to 35° C and structurally sound, clean and free of all dirt, oil, grease, loose peeling paint, laitance, 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. 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 Details EJ171 "Expansion Joints". Do not cover expansion joints with mortars. Cement Backer Board; follow TCA installation detail W244.

Mixing

Place clean potable water into a clean pail. Add 305 powder. Use approximately 4.2 – 4.6 Liters of water for 20 Kg bag 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 insure full bedding of the tile. Spread as much mortar as can be covered with tile in 15-20 minutes. Back butter large tiles (>8"x8") to provide full bedding and firm support. Place tiles into wet, sticky mortar and beat in using a beating block and rubber mallet to imbed 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® materials are available worldwide.

For distributor information, please contact us by email at: enquiry@laticrete.me or, visit www.laticrete.me

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 us by email at: enquiry@laticrete.me

Technical and safety literature

To obtain technical and safety literature, please visit our website at: www.laticrete.me

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.
