



Laticrete Glass Tile adhesive

DS-252.0-0913

Globally Proven
Construction Solutions



1. PRODUCT NAME

LATICRETE® Glass Tile Adhesive

2. MANUFACTURER

LATICRETE UK

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3. PRODUCT DESCRIPTION

LATICRETE Glass Tile Adhesive Mortar is a water mixed, non-sag, polymer fortified adhesive mortar that is specifically formulated for use in glass tile applications. LATICRETE Glass Tile Adhesive Mortar has great workability and produces an ultra-white finish that enhances the look of glass mosaics, glass tile, and most any translucent tile or stone. In addition to containing anti-mould protection, LATICRETE Glass Tile Adhesive Mortar is GREENGUARD certified for low VOC. LATICRETE Glass Tile Adhesive Mortar can also be used with porcelain or ceramic tile. Designed for interior, exterior, and submerged installations of all types of glass tiles over concrete, exterior WBP glue plywood (interior, dry areas only), and a variety of other substrates.

Advantages

- Consistent, ultra white colour across the entire application area
- Optimal bond strength with minimal shrinkage
- Single component with no admix needed, just add water
- Superior non-sag performance
- Smooth and creamy consistency
- Equipped with anti-mould protection
- GREENGUARD certified

Suitable Substrates (Interior use only)

- Exterior glue plywood*
- Concrete/masonry & Concrete block
- Cement mortar beds & Cement terrazzo
- Ceramic tile and stone
- Gypsum wallboard* & Cement backer board**
- Masonry and brick

Interior use only.

** Consult cement backer board manufacturer for

Packaging

10.0kg bag; 100 bags per pallet

Available Colours

White

Approximate Coverage

2.7 – 3.0 m² with 6 mm x 6 mm notched trowel

2.5 – 2.2 m² with 6 mm x 9 mm notched trowel

4.5 – 4.2 m² with 3 mm x 4.5 mm mosaic notched trowel

Shelf Life

Factory sealed containers of the LATICRETE Glass Tile Adhesive 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 the bagged product.

Limitations

- Not for use over expansion joints or structural movement cracks.
- Not for use directly over particle board, OSB, luan, Masonite® or hardwood floors.
- Interior installations only.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use LATICRETE HYDROBAN Waterproofing Membrane.
- Verify suitability of LATICRETE Glass Tile Adhesive Mortar for use with resin or mesh-backed glass tile with glass manufacturer.
- For installations with a moisture sensitive backing, use LATAPOXY® 300 Adhesive. Consult with glass tile manufacturer for suitability and compatibility of their product over exterior glue plywood substrates and membranes.

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.
- During cold weather, protect finished work from traffic until fully cured.
- Contains Portland cement. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water. Avoid breathing dust. Wear a respirator in dusty areas.
- Protect new tile work from other trades until adhesive is cured
- Keep out of reach of children.

4. TECHNICAL DATA

Applicable Standards

ANSI A118.4, A118.11, ISO 13007-2, EN12004 C2T-S1

Test	Test Method	EN12004 C2 Specification	Results
28 day cure tensile adhesive strength	EN 1348 – 8.2	> 1.0 N/mm ²	1.2 N/mm ²
7 day cure 21 day water immersion tensile adhesive strength	EN 1348 – 8.3	> 1.0 N/mm ²	1.1 N/mm ²
14 day cure 14 day heat age tensile adhesive strength	EN 1348 – 8.4	> 1.0 N/mm ²	1.2 N/mm ²
7 day cure 21 day water immersion 25 freeze/thaw cycle tensile adhesive strength	EN 1348 – 8.5	> 1.0 N/mm ²	1.1 N/mm ²
Open time after 30 minutes	EN 1346	> 0.5 N/mm ²	0.7 N/mm ²
Slip	EN1308	< 0.5 mm	0.2 mm
Transverse deformation	EN 12008	> 2.5 mm and < 5 mm	3.1 mm

Classification - EN120004 C2TE-S1

Working Properties at 21°C

Open time	30 mins
Pot life	5 hours
Wet Density	1.65 gms/litre

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.

5. INSTALLATION

All work should be in accordance with BS 5385:2009 unless otherwise specified in this data sheet.

Surface Preparation

All surfaces should be between 40°F (4°C) and 90°F (32°C) and structurally sound, clean and free of all dirt, oil, grease, paint, concrete sealers or curing compounds. Gypsum plaster or anhydrite surfaces should first be sealed with two coats of neat NXT Primer and allowed to dry. Dry, dusty concrete slabs or masonry should be dampened and excess water swept off. Installation may be made on a damp surface. Concrete slabs must be plumb and true to within 6 mm in 3 m.

Note: Movement joints shall be provided through the tile work from all existing construction or expansion joints in the substrate. Follow BS 5385-5:2009 section 8 for the design & installation of movement joints within the tiled area. Do not cover movement joints with mortar.

Mixing

Place clean, potable water into a clean pail. Add LATICRETE Glass Tile Adhesive Mortar. Use approximately 2.1–2.3 litre of water mixed with a 10 kg bag of powder. Mix by hand or with a slow speed mixer to a smooth, trowelable consistency. Allow mortar to stand for 5–10 minutes. Remix without adding any more water or powder. During use stir occasionally to keep mix fluffy. DO NOT temper with water.

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 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.

Check with glass manufacturer for suitability of glass tile when used in conjunction with any specified membrane, thin-set and/or grout.

Back butter large format tiles before setting in order to provide full bedding and firm support and to prevent mortar ribbons from showing through transparent or translucent glass tile. Place tiles into wet, sticky mortar and lightly tap 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

Grouting

Grout all joints within the installation after a minimum of 24 hours curing time at 70°F (21°C). Cooler temperatures require a longer curing time. Grout joints with either Laticrete Permacolour grout or Laticrete Spectralock Premium PRO grout in accordance with the product instructions.

Cleaning

Clean tools with water whilst adhesive is still fresh.

6. AVAILABILITY AND COST

Availability

LATICRETE and LATAPOXY® materials are available worldwide. For on-line Distributor Information, call 0151 486 6101 or visit LATICRETE UK at www.laticrete.co.uk

7. MAINTENANCE

Non-finish LATICRETE and LATAPOXY installation materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

8. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE UK Technical Service Hotline:

Tel: 0151 486 6101

Fax: 0151 448 1982

e-mail: sales@laticrete.co.uk

Technical and Safety Literature

To acquire technical and safety literature, please visit our website at www.laticrete.co.uk

9. DISCLAIMER

The information contained in this document is given in good faith and to the best of our knowledge is true and accurate.

This information is subject to change without notice and it is the responsibility of the user to obtain up to date and current information.

The use of this product is beyond our control and liability is assumed by the user when used incorrectly and not in accordance with LATICRETE guidelines.

The manufacturer is not responsible for any loss or damage arising from incorrect usage of this product.

The specifier or other party responsible for the project must ensure that the details in this data sheet are appropriate for the intended application and that additional detailing is performed for specific design or any areas that fall outside the scope of this specification.

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