

1. PRODUCT NAME

LATICRETE® LATAFIX 248 Multipurpose Adhesive

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

LATICRETE LATAFIX 248 Multipurpose Adhesive is a bagged cementitious powder to be mixed with either water or latex admixtures for installing porcelain, vitrified, ceramic, stone tile to floors and walls in internal areas.

Uses

Designed for interior floor and wall installations of ceramic tile and natural stone over concrete, cement sheet, Gyprock, suitable waterproof membranes, screeds and rendered substrates. Tile over tile when mixed with a LATICRETE latex.

Advantages

- Creamy
- Non-Sag
- Thermal Shock Resistant
- For floor (light duty) and wall applications
- Very good impact resistance
- Exceeds all bond strength requirements of ANSI 118.4
- Long Open Time
- White

Suitable Substrates

- Concrete
- Cement Mortar Beds
- Concrete Masonry
- Exterior Grade Plywood (Interior Use Only)
- Gypsum Wall Board (Interior Use Only)
- Suitable waterproof membranes
- Brickwork
- Cement Render
- Cement Sheet

**Consult cement backer board manufacturer for specific installation recommendations and to verify acceptability for exterior use.*

Packaging

20 kgs
Colours: White.

Coverage

Approximately 12-14m² per 20kg bag with 6mm x 6mm notched trowel
Approximately 9-11m² per 20kg bag with 10mm x 10mm 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. High humidity will reduce the shelf life of the bagged product.

Limitations

- Use LATAPOXY® 300 Epoxy Adhesive for installing green marble or water sensitive natural stone and agglomerates.
- Not for heavy duty applications
- Not use over hardwood or strip wood flooring, particle board, luan plywood, or Masonite®
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproof membranes. When a waterproof membrane is required, use a LATICRETE Waterproof 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

- During cold weather, protect finished work from traffic until fully cured.
- 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. Use rubber gloves when handling and wear eye protection to avoid eye contact.
- 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.

4. TECHNICAL DATA

Applicable Standard

ANSI A118.4-1999

Performance Properties

Test Method	Results
Porcelain Tile Shear Bond 7-Day Cure	1.75 MPa
28-Day Cure	2.07 MPa
7-Day Cure/7 Day Water Immersion	1.93 MPa
Freeze/Thaw	1.75 MPa
Compressive Strength 7-Day Cure	5.52 MPa
28-Day Cure	7.08 MPa
Shear Bond Quarry Tile to Plywood 28-Day Cure	1.08 MPa

Working Properties 21°C

Open Time	30 Minutes
Pot Life	4 hours
Time to Grout	10 - 24 hours
Wet Density	1.650 kg/m ³

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

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. 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 cured and 7 days old before application. 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 Australian Standards requirements for Expansion Joints. Do not cover expansion joints with adhesive. Refer to Technical Data Sheet 152 "Requirements for Direct Bonding of Ceramic or Stone Tiles Over Wood Floors" for complete details. **DO NOT** bond to particle board, luan, Masonite® or hardwood surfaces.

Mixing

Place potable water into a clean pail and add LATAFLEX powder. Mix by hand or with a slow speed mixer to a smooth, trowelable consistency. Use approximately 7 ltrs of water per 20kg bag, this will yield approximately 20 ltrs of adhesive. Allow mortar to slake for 5-10 minutes. Remix without adding any more water or powder.

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 or before adhesive skins. Back butter large tiles > 200mm x 200mm to provide full bedding and firm support if required. 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.

Grouting

Grout after a minimum of 10 hours curing at 21°C using LATICRETE Sanded or Unsanded Grout mixed with LATICRETE 1776 Grout Admix Plus. For maximum stain resistance use LATAPOXY SpectraLock Pro Grout.

Cleaning

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

6. AVAILABILITY AND COST

Availability

LATICRETE and LATAPOXY® materials are available worldwide. For distributor information:

Toll Free: 1800 331012
Telephone: 03 99336111
Email: laticeotez@laticrete.com.au

Queensland Office: 7/2023 Sandgate Rd, Cnr Vauxhall St, Virginia. QLD. 4014.

Telephone: 07 38651599
Fax: 07 38652250

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

LATAFIX 248 is guaranteed by the manufacturer not to break down, deteriorate or disintegrate under normal usage for a period of seven (7) year from date of installation. The use of this product is beyond the manufacturers control and liability is restricted to the replacement of material proven defective. The manufacturer is not responsible for loss or damage resulting from the incorrect use of this product. Contact manufacturer for full details.

8. 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 proper maintenance products supplied by other manufacturers.