

1. PRODUCT NAME

LATICRETE[®] MULTIFLEX Flexible Multipurpose Adhesive

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

LATICRETE MULTIFLEX Multipurpose Adhesive is an economical, flexible, rubber, polymer fortified cementitious thin set powder for installing ceramic tile and natural stone to floors and walls.

Uses

Designed for interior and exterior floor and wall installations of ceramic tile and natural stone over concrete, cement sheet, suitable waterproof membranes, screeds and rendered substrates.

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
- Interior and Exterior

Suitable Substrates

- Concrete
- Cement Mortar Beds
- Concrete Masonry
- Exterior Grade Plywood (Interior Use Only)
- Gypsum Wall Board (Interior Use Only)
- Cement Block
- Cement Render
- Cement Sheet

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

Packaging

20 kgs

Colour: Off-White

Coverage

Approximately 11-13m² per 20kg bag with 6mm x 6mm notched trowel

Approximately 8-10m² 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.
- Use white mortar for white or light colored marble/stone.
- Not for heavy duty applications
- Not for direct use over tile, vinyl, plastic, steel, 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.
- Some marbles and other natural stone have low flexural strength and may not be suitable for installation over wood floors.
- 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**Working Properties 21°C**

Open Time	40 Minutes
Pot Life	4 hours
Time to Traffic	8 - 10 hours
Wet Density	1.000 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 over tile, particle board, luan, Masonite[®] or hardwood surfaces.

Mixing

Place potable water into a clean pail and add MULTIFLEX powder. Mix by hand or with a slow speed mixer to a smooth, trowelable consistency. Use approximately 6.5 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. 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: 1800 808549
Email: laticreteoz@laticrete.com.au

Queensland Office

29 Telford Street,
Virginia, QLD. 4014.
Telephone: 07 38651599
Fax: 07 38652250

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

MULTIFLEX 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.