



LATICRETE® 252 Ag SILVER Thin-set Adhesive



- Bonds to various substrates
- Exceeds ANSI A118.4 shear bond strength requirements
- Complies to EN with a C2 E T classification
- Water and shock resistant.

Suitable Substrates

- Concrete
- Concrete Masonry
- Cement Mortar Beds
- Cement Plaster
- Tile and Stone
- Brick Masonry
- Cement Backer Board**
- Cement Terrazzo
- Exterior Grade Plywood***
- Gypsum Wallboard***

**Consult the backer board manufacturer's data sheet for the specific recommendations.

***Interior use only and when mixed with LATICRETE® 333 Super Flexible Latex admix.

Packaging – 5 kg & 20 kg bags

Colour: Grey and white

Coverage

Approx 55-60 sft per 20kg bag with 1/4" x 1/4" (6mm x 6mm) square notched trowel for a bed of 3mm.

Coverage will vary depending on trowel notch size, type and size of tile and substrate

Shelf Life

Factory sealed bags 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

- Not for use directly over particle board, luan, Masonite or hardwood floors.
- Not for use over VAT, VCT cutback, vinyl and plastic laminates.
- 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.

PRODUCT DESCRIPTION

LATICRETE® 252 Ag Silver thinset adhesive is a multi-purpose, polymer modified thinset powder offering vast utility including applications on interior floor & wall as well as limited exterior* floor & wall installations. It is a cementitious thinset powder to be mixed only with water to install various types of tiles & stone on variety of substrates using thinset method of installation.

Application

Designed specially for interior floor and wall as well as limited exterior * floor and wall installations of all types of ceramic tile, vitreous, semi-vitreous tile, glass mosaic tiles, precast terrazzo, engineered stone^ and natural stones over concrete and a variety of substrates. Good underwater shear bond allows this product to be used for wet areas like swimming pools, sauna and wash rooms

***Contact MYK LATICRETE technical services for exterior area applications**

^ Engineered stones/ Agglomerates are moisture sensitive. Contact MYK Laticrete Technical Services for specific recommendations of installation.

Advantages

- Single component, just add water
- High strength, polymer modified
- Economical & Easy to use

- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not designed as replacements for waterproof membranes. When a waterproofing barrier is required, use LATICRETE® Waterproofing Membrane.

- NOTE: Surfaces must be structurally sound, stable and rigid enough to support tile/stone, 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.

NOTE TO THE SPECIFIER AND INSTALLER:

While installing tile/stone on the external walls and floors, we need to provide the movement joints by creating spaces between the tiles/stones and filling them up with LATICRETE® cement based grout mixed with L1776 grout admix plus or silicone sealants.

It is also important to note that the exterior tile / stone installations are provided with joints (spaces) on the periphery of the area without allowing the tile / stone to be bound by the peripheral masonry work or plaster.

It is also important to note that the tiles/stones are not installed directly on expansion joints. The expansion joints need to be run through the tile / stone work till top surface and filled with materials which accommodate the movements.

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.
- 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.

TECHNICAL DATA

Applicable Standard

ANSI A118.4-1999; EN 12004 & ISO 13007

Performance Properties

LATICRETE® 252 Ag Silver Adhesive mixed with Water

Test	Test Method	Results
Shear Bond, Porcelain Tile, 28 day cure	ANSI A118.4-1999; F-5.2.4	>300 psi (2.0 MPa)
Shear Bond, Porcelain Tile, Water Immersion	ANSI A118.4-1999; F-5.2.3	>190 psi (1.3 MPa)
Compressive Strength	ANSI A118.4-1999; F-6.1	>2750 psi (18.9 MPa)

Complies to EN & ISO standards: C2TE

Working Properties at 70° F (21° C)

LATICRETE 252 Ag Silver Adhesive mixed with Water

Open Time	Approx 20 minutes
Pot Life	Approx 4 hours
Time to Heavy Traffic	16 - 24 hours

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 40° F(4° C) and 90° F(32° 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. New concrete slabs shall be damp cured and 28* days old before application. *No minimum cure time for concrete slabs when thin-set mortar is mixed with latex additive. All slabs must be plumb and true to within ¼”(6mm) in 10 ft(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 Detail EJ171 “Expansion Joints”. Do not cover expansion joints with mortar. Cement Backer Board: follow TCA installation details W244.

1. 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;

2. Minimum construction for interior plywood floors:

SUBFLOOR: 5/8” (15mm) thick exterior grade plywood, either plain with all sheet edges blocked or tongue and groove, over bridged joints spaced 16” (400 mm) o.c. maximum; fasten plywood 6” (150mm) o.c. along sheet ends and 8” (200mm)

o.c. along intermediate supports with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 1/8” (3mm) between sheet ends and ¼” (6mm) between sheets edges; all sheet ends must be supported by a framing member; glue sheets to joints with construction adhesive;

UNDERLAYMENT: 5/8” (15mm) thick exterior grade plywood fastened 6” (150mm) o.c. along sheet ends and 8” (200mm) o.c. in the panel field (both directions) with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 1/8” (3mm) to ¼” (6mm) between sheets and ¼” (6mm) 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.

Mixing

Place clean, potable water into a clean pail. Add LATICRETE® 252 powder into the pail. Use approximately 5.5 - 6L of water for 20 kg of powder.

Mix by hand or with a slow speed mixer to a smooth, trowelable consistency. Allow adhesive to slake for 5-10 minutes. Adjust consistency if necessary. Remix and apply with the proper sized notched trowel.

Note: For improved bond strength, flexibility and for exterior installations use LATICRETE® 73 Crete Admix.

*** Contact MYK LATICRETE technical services for exterior installations**

Application

a) Tile/Stone

Apply adhesive to the substrate with the flat side of the trowel, pressing firmly to work into surface. Comb on additional adhesive with the notched side. Use the proper sized notched trowel to insure full bedding of the tile. Spread as much adhesive as can be covered with tile in 10 minutes. Back butter large tiles (> 12”x12”) to provide full bedding and firm support. Place tiles into wet, sticky adhesive and beat in using a beating block and rubber mallet to imbed tile and adjust level. Check adhesive for complete coverage by periodically removing a tile and inspecting bedding adhesive transfer onto back of tile.

If adhesive is skinned over (not sticky), remove and replace with fresh adhesive.

b) Glass Mosaic tiles

The LATICRETE®252 adhesive shall be applied to the surface to be tiled with a notched trowel using a scraping motion to work the adhesive into good contact with the surface to be covered. Notch trowel with notches approximately 4mm is recommended to get a bed thickness of 1.5-2mm. V-notch of 3mm also can be used to get bed thickness of 1.5mm. Apply only so much that can be covered with tile within 10-15 min or while the adhesive surface is still tacky. The Glass Mosaic tiles shall then be set in place and beaten gently with mallet or grouting float to insure 100% full bedding. Tiles shall be aligned to achieve uniform joints and then allowed to set until firm.

The face of the sheets of front mounted glass mosaic tiles shall then be dampened and the face mount paper can be removed.

Excess adhesive must be cleaned from the surface of the tile with a wet cloth or sponge while the adhesive is fresh and has not hardened.

Grouting

Grout installation after a minimum of 24 hours curing time at 70°F (21° C). Grout with LATICRETE® Sanded or Unsanded Grout mixed with LATICRETE® 1776 Grout Admix Plus. For maximum stain resistance of Internal applications, use SpectraLOCK® Pro Premium Grout OR LATAPOXY SP-100 Stainfree Grout.

Cold Weather Note: The setting of Portland cement adhesives and grouts are retarded by low temperatures. Protect finished work for an extended period when installing in cold weather. For faster setting adhesive use LATICRETE® 252 Fast Set OR LATICRETE® 73 (Rapid) Crete Admix with LATICRETE® 111 Crete filler powder. Do not set tile when surface temperature is below freezing or when substrate is frozen.

Hot Weather Note: The evaporation of moisture in Portland cement adhesives and grouts is accelerated by hot, dry conditions. Apply to dampened surfaces and protect freshly spread adhesive and finished work when installing in temperatures over 95°F (35°C).

Cleaning

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

AVAILABILITY AND COST

Availability

LATICRETE® and LATAPOXY® materials are available worldwide.

For distributor information:

Telephone: +91-40-30413100

FAX: +91-40-23378784

e-mail: contact@myklaticrete.com

Cost

Contact a LATICRETE® Distributor in your area.

MAINTENANCE

LATICRETE® and LATAPOXY® grouts require routine cleaning with neutral pH soap and water or MYK LATICRETE Clenza series suitable cleaners. All other LATICRETE® and LATAPOXY® materials require no maintenance but proper installation as per instruction.

Performance and durability may depend on properly maintaining of Installed area.

WARRANTY

MYK LATICRETE India Pvt Ltd warrants that LATICRETE® 252 Ag Silver adhesive is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of one (1) year from manufacturing of the product subject to the terms and conditions stated in LATICRETE® Product Warranty.

TECHNICAL SERVICES

Technical assistance

Information is available by calling the MYK LATICRETE®

Technical Service at:

Telephone: +91-40-30413100

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