

**MYK LATICRETE**

LATAPOXY® 270 Epoxy Adhesive

PRODUCT DESCRIPTION

LATAPOXY® 270 is a factory made two* component, high strength epoxy adhesive for installation of tiles/stone veneers, wood and metals on different substrates that meets and exceeds the requirements of international standards.

*3rd component, Part C powder is available on request.

Application

For the installation of stone veneers, metals and thin stones, tiles on various surfaces. Applications include: Interior and exterior, walls, floors and ceilings, new and remodel construction, residential or commercial applications

Advantages

- High strength, shock & impact resistant.
- Versatile- Interior and Exterior areas, walls & ceilings
- Easy to use.
- Economical – saves time and money.

Packaging Components:

LATAPOXY® L- 270 is a factory proportioned kit with Resin (Part A), Hardener (Part B).

UNIT	NET WEIGHT
Small unit	1.0 kg
Full unit	5.0 kg

Note : 1. Filler powder (Part C) is available separately.

2. Primer for bonding of substrates on acrylic sheet is available separately.

Colour- Light Brown

Coverage

Approx 10 sft per 1 kg pack when applied on the substrate and also on the FRP sheet with flat side of trowel.

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year if stored at temperatures >32°F (0°C) and <110° F (43°C).

Limitations

- Use LATAPOXY® 300 Epoxy Adhesive for installing green marble or water sensitive natural stone. Use a white thin set mortar when installing white or light colored natural stones.
- 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, veneer substrates, plastics, metals and similar finishes.

Cautions

- During cold weather, protect finished work from traffic until fully cured.
- Contains polymer resin and filler powder. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, wash with the plenty of water.
- Do not take internally. Resin and filler may cause serious lung problems. Wear a respirator in dusty areas.
- Keep out of reach of children.

TECHNICAL DATA

Applicable Standard

ANSI A118.3 - 1999

Physical Properties

Test	Test Method	Results
Compressive strength, 7 days cured	ANSI A118.3	>8000 psi
Tensile strength, 7days cured	ANSI A118.3	>1300 psi
Shear strength, 14 days cured	ANSI A118.3	>3000 psi

Working Properties at 70°F (21° C)

Open Time	30 minutes
Pot Life	1 hour
Time to Heavy Traffic	24 hours
Wet Density	1550 kg/ m ³

Specifications are subject to change without notification.

Results shown are typical but reflects 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 do not set tile when surface temperature is below freezing or from all dirt, oil, grease, loose peeling paint, laitance concrete sealers or curing compounds. Rough or uneven concrete surfaces should be made smooth when substrate is frozen. Installation must be made on a dry surface. 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 EJ171-98 "Expansion Joints". Do not cover expansion joints with mortar. Cement Backer Board: follow TCA installation detail W244.

Mixing

Place LATICRETE 270® Part B into a clean dry pail. Add LATICRETE 270® Part A completely into the pail having Part B. Mix it by hand or with a slow speed mixer to get a smooth

consistency. Apply with the proper sized notches trowel, flat trowel or putty blade.

Note : 1. if the application is fixing of tile/stone of size =>1ft X 1ft then add Part C powder to the blended Part A & B and mix homogeneously.

2. If application is bonding substrates on acrylic sheet, then mix primer Part A and B homogeneously and apply over acrylic sheet and allow it to cure for 6-10 hrs. After curing, apply adhesive with the help of proper sized notch trowel and fix the substrates to be bonded.

Application

Apply adhesive to the substrate with the flat side of the trowel, pressing firmly to the surface. Comb on additional adhesive with the notched side. Use the proper sized notched trowel to insure full bedding of the substrates. Spread as much adhesive as can be covered with substrates in 10 minutes. Back butter veneer, FRP, large tiles (> 12"x12"), etc to provide full bedding and firm support. Bond substrates into wet, sticky adhesive and press with rubber roller to imbed tile/ stone veneer 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.

Grouting (Only for thin stone/Tile)

Grout installation is 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 use LATAPOXY SP-100 Stainfree Grout.

NOTE: No grouting is required for Stone veneers mounted on FRP sheets.

Cold Weather Note: The setting of the adhesives and grouts are retarded by low temperatures. Protect finished work for an extended period when installing in cold weather. Do not

set tile when surface temperature is below freezing or when substrate is frozen.

Hot Weather Note: The setting time in Epoxy adhesives and grouts is accelerated by hot, dry conditions.

Cleaning

Clean tools and tile work with MYK Laticrete Epoxy Cleaner 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 LATAPOXY® 270 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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E-mail: contact@myklaticrete.com

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