



LATICRETE® 226 Thick Bed Adhesive



Factory prepared cementitious powder designed for use with LATICRETE® 3642 Latex Concentrate to produce high strength, latex fortified Thick bed adhesive, screed mortar that meets international standards.

Substrates

- Concrete & Concrete Masonry
- VDF / Tremix Concrete
- Cement Mortar Beds
- Cement Plaster
- Wood floor**
- Brick Masonry
- Cement Backer Board**
- Cement Terrazzo
- Calcium Silicate Board**
- Gypsum Wallboard**

**Consult the backer board manufacturer's data sheet for the specific recommendations and load bearing capacity of specific board intended for use.

Features / Benefits

- Two component, just add water
- High strength, polymer fortified
- Easy to use
- Bonds to various substrates
- Exceeds ANSI A118.7 requirements
- Complies with EN 13813 with a *CT-C20F10B1.5* classification.
- Water and shock resistant.

Application

Designed especially for interior and exterior floor and wall installations of all types of ceramic tile, vitreous, semi-vitreous tile, precast terrazzo and natural stones over concrete and on a variety of substrates. Good underwater shear bond allows this product to be used for wet areas like swimming pools, sauna, water bodies and wash rooms.

Certifications

EN: 13813

Member of
Indian Green Building Council



A118.7

TECHNICAL DATA

Performance Properties:

LATICRETE® 226, Thick Bed Adhesive mixed with Laticrete 3642 diluted with Water

Applicable Standards:

ANSI A118.7; EN 13813

| ANSI Data | | |
|-----------------------------------|------------------------|----------------------------|
| Property : Test method | Requirement | Typical Values |
| Compressive Strength - ASTM C 109 | 20 N/mm ² | 22-25 N/mm ² |
| Flexural Strength - ASTM C 580 | 7 N/mm ² | 9.5-11 N/mm ² |
| Tensile Strength - ASTM C 307 | 3.50 N/mm ² | 3.75-4.5 N/mm ² |

The adhesive mortar conforms to ANSI A118.7

| EN Data | | |
|-----------------------------------|------------------------|-------------------------------|
| Property: Test Method | Requirement | Typical Values |
| Compressive Strength - EN 13892-2 | 20 N/mm ² | 21-24 N/mm ² |
| Flexural Strength - EN 13892-2 | 10 N/mm ² | 10 – 12 N/mm ² |
| Bond Strength - EN 13892-8 | 1.50 N/mm ² | 1.50 – 2.00 N/mm ² |
| BRE Drop Hammer Test – BS:8204 | 2-3mm | 2-3 mm |

The adhesive mortar conforms to EN13813 as *CT-C20F10B1.5*

Packaging:

50 kg bags

Colour:

Grey and white

Coverage:

Coverage will be based on following mix design.

| Thickness | L226 | L3642 | Water | Coverage |
|-----------|-------|------------|------------|----------|
| 12 mm | 50 kg | 1.25 liter | 3.75 liter | 25 Sft |
| 25 mm | 50 kg | 1.25 liter | 3.75 liter | 12 Sft |
| 35 mm | 50 kg | 1.0 liter | 4.0 liter | 8 Sft |
| 50 mm | 50 kg | 0.83 liter | 4.17 liter | 5 Sft |

Coverage will vary depending on flatness and evenness of substrate

Working Properties at 70° F (21° C)

LATICRETE®226 thick bed Adhesive mixed Laticrete 3642 Latex liquid diluted with Water.

| PROPERTY | TYPICAL VALUES |
|-------------------------------------|-------------------------------|
| Recommended Ratio of L-3642 : Water | 1 :3 or 1: 4 |
| Dry Mortar Density | 1950 – 2100 kg/m ³ |
| Pot Life | 1 Hour |
| Time for Foot Traffic | ≥ 24 Hours |
| Time for Heavy Traffic | ≥ 72 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 40oF(4oC) and 90oF(32oC) and structurally sound, clean and free of all dirt, oil, grease, loose peeling paint, concrete sealers or curing compounds.

Dry, dusty concrete slabs or masonry should be dampened and excess water swept off. Installation may be made on a damp surface. 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.

Glass Mesh Mortar Unit: follow TCA installation detail W244. In temperatures over 95°F (35°C).

Mixing:

Stir LATICRETE® 3642 admixture thoroughly before use. Dilute the admixture as required with water.

Use approx. 50kg of Laticrete 226 thick bed adhesive mortar with Laticrete 3642 & potable water as per coverage table given above. Mix by hand or with a slow speed mixer to semi dry consistency.

APPLICATION:

a) Thick bed adhesive

Before placing mortar, apply a slurry bond coat made from Laticrete® 3642 latex concentrate pre-diluted with water 1:1 and mix with cement & sand 1:1. While the slurry bond coat is wet spread mortar & compact well. For placing tiles apply another slurry bond coat over the mortar bed & install tiles. Laticrete SBA 20 mixed with approximately 8 Liters of water is best for installation of tiles. The tiles shall be placed & beaten in the mortar while the slurry bond coat is wet and sticky.

b) Floor Screeds

Before placing mortar, apply bonding slurry of LATICRETE® 3642 pre-diluted with water 1:1 and cement: sand 1:1 to the mortar.

While the bonding slurry is wet spread the mortar and compact well.

Follow the standard rules of creating the movement joints for Adhered screeds, Floating screeds and the thicknesses of respective screeds as per the international standards.

For better performance of screeds, it is also recommended to use wire mesh as specified by the engineer at site.

c) Plaster

Plumb, square and true wall with applications of mortar. Level, fill and patch block with site mix mortar or LATICRETE® 226 Thick Bed Mortar Mix gauged with pre-diluted LATICRETE® 3642.

Plasters made with LATICRETE® 226 can be applied in thicknesses as great as 25 mm without the plaster slumping.

Cleaning

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

NOTE TO THE SPECIFIER AND INSTALLER:

While installing tile/stone on the external walls and floors, we need to provide the joints by creating spaces between the tiles/stones and fill them up with MYK LATICRETE® cement based grout mixed with MYK Laticrete 1776 grout admix plus or MYK Laticrete Stellar, flexible grout (In the absence of spacer joints, the surface movements can push tiles/stones away from the substrate causing de-bonding of tiles or stones)

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.

HOT & COLD WEATHER TILING:

* Please refer technical document on Hot & Cold weather tiling

Grouting:

Grout installation shall be commenced after a minimum of 24 hours curing time at 70°F (21° C). Grout with MYK LATICRETE® Sanded or Unsanded Grout mixed with MYK LATICRETE® 1776 Grout Admix Plus.

For maximum stain resistance of Internal spacer joints applications, use SpectraLOCK® Pro Premium Grout OR LATAPOXY® SP-100 Stainfree Grout.

For maximum stain resistance of External spacer joints applications, use MYK Laticrete Stellar Grout, which can accommodate movements and is UV resistant.

MYK Laticrete India Pvt Ltd warrants that LATICRETE® 226 Thick Bed Mortar is free from manufacturing defects and will not break down, deteriorate or under normal usage for a period of one (1) year from manufacturing of the product subject to the terms and conditions stated in disintegrate LATICRETE® Product Warranty.

CUSTOMER CARE

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