



## LATICRETE® SBA 20 Slurry Bond Adhesive

### PRODUCT DESCRIPTION

LATICRETE® SBA 20 Slurry Bond Adhesive is an economical polymer modified, cementitious adhesive powder that is mixed only with water to form a free-flowing adhesive slurry. Can be used for installing ceramic and vitrified tiles on fresh cement-based screeds. (WET ON WET APPLICATION)

### Application

Designed specially for installing ceramic and vitrified tiles on fresh cement-based screed in interior and exterior floors. Also suitable for installation of Ceramic tiles and vitrified tiles over concrete and a variety of substrates.

### Advantages

- Single component, just add water
- Free flowing – eliminates trowelling
- High strength, polymer fortified
- Easy to use
- Economical
- Exceeds ANSI A118.4 shear bond strength requirements
- Water resistant
- Non-shrinking

### Suitable Substrates

- Concrete
- Cement Mortar Beds

**Packaging** – 20 kg bags

**Colour:** Grey & White

### Coverage

Approx 60-70 sft per 20kg bag for an applied thickness of 2mm

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

### 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 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.
- Do not install over painted or gypsum-based surfaces
- Do not exceed recommended mixing ratio as indicated in mixing instructions. Over watering may weaken product properties.
- 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 a suitable LATICRETE® **Hydroban** / 9237 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.

### NOTE TO THE SPECIFIER AND INSTALLER:

While installing tile/stone on the external 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 screed.

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 and A118.1-1999

***Performance Properties***

LATICRETE® SBA 20 Slurry Bond 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 (2.1 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)

***Working Properties at 70° F (21° C)***

LATICRETE® SBA 20 Slurry Bond Adhesive mixed with water

Open Time	20 minutes
Pot Life	4 hours
Time to Heavy Traffic	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® Latascreed 100** to provide a wood float (or better) finish. Dry, dusty concrete slabs or masonry should be dampened and excess water swept off. Installation can be made on a wet screed surface. New concrete slabs shall be damp cured and 28 days old before application. 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 detail 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;

***Mixing***

Place clean, potable water into a clean pail. Add LATICRETE® SBA 20 Slurry Bond Adhesive. Use approximately 8L of water for 20 kg of powder.

Mix by hand or with a slow speed mixer to a smooth, free flowing consistency. Allow adhesive to slake for 5-10 minutes. Adjust consistency if necessary. Remix and apply.

***Application***

Pour slurry bond adhesive over fresh **LATICRETE® Latascreed100**. Slurry bond adhesive can be applied directly on the cement-based screed while it is still fresh. Spread the slurry uniformly to form a thickness of 2mm. Place tiles into wet, sticky adhesive and beat in using a beating block and rubber mallet to imbed tile. 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. 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 internal applications & maximum stain resistance use SpectraLOCK® Pro Premium Grout / LATAPOXY® SP-100 Stain free 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. 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](mailto:contact@myklaticrete.com)

### ***Cost***

Contact a LATICRETE® Distributor in your area.

## **MAINTENANCE**

LATICRETE® and LATAPOXY® products 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® SBA 20 Slurry Bond 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

FAX: +91-40-23378784

e-mail: : [technicalservices@myklaticrete.com](mailto:technicalservices@myklaticrete.com)

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