



## LATICRETE® 500 Series Sanded grout



Polymer based, sanded cement grout for interior & exterior, floor & wall joints of width 3mm – 12mm

### Features / Benefits

- Weather resistant
- Colour fast
- Easy application and clean up.
- Easy maintenance
- Non-cracking & Non-shrink
- Complies with ANSI A 118.6, EN 13888, standards.
- Water and shock resistant.

### Substrates

- Ceramic tile
- Vitrified tile
- Glass Mosaic Tiles
- Granite
- Marble
- Agglomerates (Engineered Stones)
- Precast Terrazzo tiles
- Bricks

### Application

Designed for interior and exterior floor and wall joints of all types of ceramic tile, vitreous, semi-vitreous tile, glass mosaic tiles, precast terrazzo, engineered stone floors and natural stones. Recommended for Institutional and commercial general floor and wall areas. Can be mixed with water or Laticrete 1776, grout admix plus and used for filling the joints of width 3mm to 12mm

### Compliance

**ISO 13007 / EN  
13888**

**ANSI A118.6**



## TECHNICAL DATA

Applicable Standards: Laticrete 500 Series sanded grout, when mixed with water:  
ANSI A118.6; ISO 13007 – 4(CG1) / EN 13888

<b>ANSI Data</b>		
Property / Test Method	Requirement	Typical Values
Linear Shrinkage after 27 days: ANSI A118.6: Clause 4.3	Max 0.30%	0.08% - 0.1%
Water Absorption after 27 days: ANSI A118.6: Clause 4.4	Max 18%	10% - 16%
Compressive Strength after 1 day: ANSI A118.6: Clause 4.5	Min 500 psi (3.43 Mpa)	600 – 800 psi (4.12 – 5.50 Mpa)
Compressive Strength after 28 days: ANSI A118.6: Clause 4.5	Min 3000 psi (20.62 Mpa)	3050 – 3350 psi (20.97 – 23.03 Mpa)
Tensile Strength after 28 days: ANSI A118.6: Clause 4.6	Min 250 psi (1.71 Mpa)	300 – 400 psi (2.06 – 2.75 Mpa)
Flexural Strength after 28 days: ANSI A118.6: Clause 4.7	Min 500 psi (3.43 Mpa)	570 – 850 psi (3.91 – 5.84 Mpa)

**The grout mortar conforms to ANSI A 118.6**

<b>ISO / EN Data</b>		
Property / Test Method	Requirement	Typical Values
Abrasion resistance: ISO 13007 – 4: Clause 4.4; EN 12808 - 2	≤ 2000 mm <sup>3</sup>	1250 – 1500 mm <sup>3</sup>
Flexural strength under standard conditions: ISO 13007 – 4: Clause 4.1.3; EN 12808 - 3	≥ 2.5 N / mm <sup>2</sup>	4.5 – 6.0 N / mm <sup>2</sup>
Flexural strength under freeze and thaw cycles: ISO 13007 – 4: Clause 4.1.5; EN 12808 - 3	≥ 2.5 N / mm <sup>2</sup>	3.5 – 4.5 N / mm <sup>2</sup>
Compressive	≥ 15 N / mm <sup>2</sup>	21 – 23 N / mm <sup>2</sup>

Strength under standard conditions: ISO 13007 – 4: Clause 4.1.4; EN 12808 – 4		
Compressive Strength under freeze & thaw cycles: ISO 13007 – 4: Clause 4.1.5; EN 12808 – 4	≥ 15 N / mm <sup>2</sup>	16 – 18 N / mm <sup>2</sup>
Shrinkage: ISO 13007 – 4: Clause 4.3 : EN 12808 – 4	< 3mm / m	0.8 – 1.0 mm / m
Water Absorption after 30 Minutes: ISO 13007 – 4: Clause 4.2; EN 12808 – 5	≤5.0 g	3.0 – 4.0 g
Water Absorption after 240 Minutes: ISO 13007 – 4: Clause 4.2; EN 12808 – 5	≤10 g	6.0 – 9.0 g

**The grout mortar conforms to ISO 13007 – 4 (CG1) / EN 13888.**

Laticrete 500 Series sanded grout, when mixed with Laticrete 1776 grout admix:  
ANSI A118.6; ISO 13007 – 4(CG1) / EN 13888

<b>ANSI Data</b>		
Property / Test Method	Requirement	Typical Values
Linear Shrinkage after 27 days: ANSI A118.6: Clause 4.3	Max 0.30%	0.08% - 0.1%
Water Absorption after 27 days: ANSI A118.6: Clause 4.4	Max 18%	9% - 15%
Compressive Strength after 1 day: ANSI A118.6: Clause 4.5	Min 500 psi (3.43 Mpa)	650 – 850 psi (4.46 – 5.84 Mpa)
Compressive Strength after 28 days: ANSI A118.6: Clause 4.5	Min 3000 psi (20.62 Mpa)	3500 – 3750 psi (24.06 – 25.78 Mpa)
Tensile Strength after 28 days: ANSI A118.6:	Min 250 psi (1.71 Mpa)	350 – 450 psi (2.40 – 3.09 Mpa)

Clause 4.6		
Flexural Strength after 28 days: ANSI A118.6: Clause 4.7	Min 500 psi (3.43 Mpa)	700 – 950 psi (4.81 – 6.53 Mpa)

**The grout mortar conforms to ANSI A 118.6**

ISO / EN Data		
Property / Test Method	Requirement	Typical Values
Abrasion resistance: ISO 13007 – 4: Clause 4.4; EN 12808 - 2	≤ 2000 mm <sup>3</sup>	900 – 1400 mm <sup>3</sup>
Flexural strength under standard conditions: ISO 13007 – 4: Clause 4.1.3; EN 12808 - 3	≥ 2.5 N / mm <sup>2</sup>	5.0 – 6.5 N / mm <sup>2</sup>
Flexural strength under freeze and thaw cycles: ISO 13007 – 4: Clause 4.1.5; EN 12808 - 3	≥ 2.5 N / mm <sup>2</sup>	3.5 – 5.0 N / mm <sup>2</sup>
Compressive Strength under standard conditions: ISO 13007 – 4: Clause 4.1.4; EN 12808 – 4	≥ 15 N / mm <sup>2</sup>	24 – 26 N / mm <sup>2</sup>
Compressive Strength under freeze & thaw cycles: ISO 13007 – 4: Clause 4.1.5; EN 12808 – 4	≥ 15 N / mm <sup>2</sup>	16 – 18 N / mm <sup>2</sup>
Shrinkage: ISO 13007 – 4: Clause 4.3 : EN 12808 – 4	< 3mm / m	0.8 – 1.0 mm /m
Water Absorption after 30 Minutes: ISO 13007 – 4: Clause 4.2; EN 12808 – 5	≤5.0 g	2.5 – 3.5 g
Water Absorption after 240 Minutes: ISO 13007 – 4: Clause 4.2; EN 12808 – 5	≤10 g	5.0 – 8.0 g

**The grout mortar conforms to ISO 13007 – 4 (CG1) / EN 13888.**

**Packaging:**

10 Kg bag.

**Colour:**

Choose from range of colours available. Please refer the grout colour chart for choosing the colour required.

**Coverage:**

*Please refer the coverage chart as it depends on the tile size, joint width and depth.*

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

Working properties:	
Pot life	60 minutes
Foot traffic	24 hours
Heavy traffic	72 hours

**INSTALLATION**

**Important site Checks: Notes to the specifiers:**

- It is recommended to check the colour of the grout, if it is meeting the desired colour of the client
- It is recommended to do a small area with actual tile/stone at site and check for any colour ingress into the tile/stone. Many tiles / stones have high absorption which may lead to wet patches / discoloration / colour marks.
- Plan to provide proper movement joints, peripheral joints as per TCA, EJ 171 detail to accommodate movements in tile/stone and use flexible grout / sealant to fill these movement joints.
- For better color retention, flexibility and water resistance, use LATICRETE® 1776 Grout admix

### Surface Preparation:

Before starting to grout, remove debris in grout joints and lightly sponge the tile surface to remove dust and dirt. Do not clean tiles with acid cleaners. In case acid cleaners were used to clean the tiles, ensure to wash the area with plenty of water before commencing grouting. Substrate temperature must be between 60°F (16°C) and 90°F (32°C).

### Mixing

**Stir LATICRETE GROUT ADMIX thoroughly before use.**

Use approximately 1.75 liters of LATICRETE® 1776 for 10 kg of LATICRETE® 500 powder. Place LATICRETE® 1776 in a clean mixing container and add grout powder slowly. Mix by hand or with a slow speed mixer to a smooth stiff consistency. Potable grade Water can also be used in place of Laticrete Grout Admix

### Application

Dampen tile surface with water. Spread with a sharp, firm rubber grout float. Work the grout paste into the joints until completely filled. Use diagonal strokes to pack the joints. Ensure that joint is filled and grout is not just sitting on top (i.e. "bridging the joint")

**Note:** For fuller flush joints sprinkle a thin layer of dry grout powder over surface immediately after grouting. When grout darkens over joint, buff with burlap, carpet remnant or cotton rag to pack joint and clean face of tile.

### Cleaning

**Grout Primary Cleaning** - Remove excess grout from the face of the tiles with the edge of the grout float. Hold the float at a 90° angle and pull it at a 45° angle diagonally across the joints and tile to avoid pulling out the material.

**Grout Secondary Cleaning** - Remove remaining grout with a damp sponge (not wet) or a damp towel. Work diagonally to the joints. Allow to dry. When the grout joints are firm polish the surface with a coarse nylon pad or coarse cloth and minimal water.

**Note:** Use caution when polishing soft glazed tiles or polished stone.

\* Contact MYK LATICRETE technical services for large format tile or stone installations on exterior surfaces.

### Shelf Life

Factory sealed packs 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

- Consult with Technical Services for specific exterior grouting recommendations.
- For industrial applications exposed to high concentrations of food and mineral acids and to high heat, use LATAPOXY®2000 Industrial Epoxy Grout.
- Protect from exposure to acids and strong cleaners during service periods. Acidic cleaners can neutralize the cement based grouts which leads to change of colour, cracking and powdering
- Not recommended for soft, polished marble or delicate glazed tiles.
- 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 LATICRETE® **Hydro ban** / 9237 Waterproof Membrane.

### 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.

### Customer Care

#### MYK LATICRETE India Pvt Ltd.

Plot No. 30/C (Sy. No. 83/1), Orbit Building,  
17th Floor, Tower 1, Knowledge City, TSIC,  
Raidurg, Ranga Reddy Dist.,  
Hyderabad - 500 081, Telangana, INDIA.

Tel: +91-40-68173100

e-mail: cc@myklaticrete.com

Website: www.myklaticrete.com