

## LATICRETE 252

Fixing glass mosaic tile on internal & external floor/wall with Laticrete 252 Ag Silver Glass Mosaic adhesive mixed with water.

Fixing Ceramic tile/Vitrified tile/Natural Stone on internal & external floor /wall with laticrete 252 AG Sliver the thickness of adhesive shall be based on the tile size.

The tile Size up to 600x600mm – 2 mm thickness of adhesive

Tile size 450X450mm – 4.5mm adhesive thickness

Tile size 600X600mm – 6.0mm adhesive thickness

Tile size 900X900mm – 7.5mm adhesive thickness

Tile size > 900X900mm – 9.0mm adhesive thickness

The mixing ratio shall be as follows

20kg bag(Laticrete 252) : 5ltr to 6ltr potable water

The plaster applied over the wall/floor screed shall be strong, confirm to good design and capable of carrying out the weight of the tile, further the cement screed/plaster shall be free of dirt, dust and level and true within 3mm in 2.5m.

The adhesive shall be applied using suitable Laticrete V notch trowel as supplied by the company

For detailed installation and laying procedure follow MYK LATICRETE Method Statements.

Laticrete products supplied shall be as Manufactured by MYK LATICRETE India Pvt Ltd

### Performance Properties L 252:

LATICRETE® 252 Ag Silver Adhesive mixed with Water

### Applicable Standards:

ANSI A118.4; EN 12004 & ISO 13007; IS15477

ANSI Data		
Property : Test method	Requirement	Typical Values
Open Time (30 Minutes at 28 days): ANSI A118.4 Clause – 5.3	≥75 psi (0.50 Mpa)	120 psi – 140 psi (0.82 – 0.96 Mpa)

Sag: ANSI A118.4- Clause 6.0	≤0.02 Inches (0.50 mm)	0.012 – 0.016 Inches (0.30-0.40 mm)
<b>Glazed wall tile Shear Strength</b>		
7 Days: ANSI A118.4 – Clause 7.1.2	>300psi (2.07Mpa)	325-350 psi (2.23 Mpa-2.40 Mpa)
7 Days Water immersion: ANSI A118.4- Clause 7.1.3)	>200psi (1.38Mpa)	225-250 psi (1.54 Mpa-1.72 Mpa)
<b>Porcelain Mosaic Tile Shear Strength</b>		
1 Day: ANSI A118.4 – Clause 7.2.2	>75psi (0.50Mpa)	125 - 175 psi (0.86 – 1.20 Mpa)
7 Days: ANSI A118.4 – Clause 7.2.3	>200psi (1.38Mpa)	250 - 275 psi (1.72 – 1.89 Mpa)
7 Days Water immersion: ANSI A118.4 – Clause 7.2.4	>150psi (1.03Mpa)	200 - 250 psi (1.37 – 1.72 Mpa)
28 Days: ANSI A118.4 – Clause 7.2.5	>200psi (1.38Mpa)	250 - 300 psi (1.72 – 2.06 Mpa)
28 Days : Freeze-Thaw cycling. ANSI A118.4 – Clause 7.2.5	>175psi (1.20Mpa)	225 - 275 psi (1.54 – 1.89 Mpa)
12 Weeks: ANSI A118.4 – Clause 7.2.7	>200psi (1.38Mpa)	250 - 300 psi (1.72 – 2.06 Mpa)
<b>Quarry Tile Shear Strength</b>		
28 Days : ANSI A118.4 – Clause 7.3.2	>150psi (1.03Mpa)	200 - 250 psi (1.37 – 1.72 Mpa)
28 Days :Freeze-Thaw cycling. ANSI A118.4 – Clause 7.3.3	>100psi (0.69Mpa)	150 - 200 psi (1.03 – 1.37 Mpa)

The adhesive mortar conforms to ANSI A118.4ET

<b>EN / ISO Data</b>		
<b>Property: Test Method</b>	<b>Requirement</b>	<b>Typical Values</b>
Open Time: EN 1346	≥0.50 N/mm <sup>2</sup>	0.75 – 1.00 N/mm <sup>2</sup>
Slip Resistance: EN 1308	≤0.50 mm	0.25 - 0.35 mm
<b>Tensile Adhesion Strength</b>		
Initial: EN 1348 – Clause 8.2	≥1.00 N/mm <sup>2</sup>	1.25 – 1.50 N/mm <sup>2</sup>
After Water Immersion : EN 1348 - Clause 8.3	≥1.00 N/mm <sup>2</sup>	1.25 – 1.50 N/mm <sup>2</sup>

Heat Ageing: EN 1348 – Clause 8.4	$\geq 1.00 \text{ N/mm}^2$	1.00 – 1.25 N/mm <sup>2</sup>
Freeze- Thaw: EN 1348 – Clause 8.5	$\geq 1.00 \text{ N/mm}^2$	1.25 – 1.50 N/mm <sup>2</sup>

**The adhesive mortar conforms to EN12004 / ISO 13007 as C2TE**

<b>IS Data</b>		
<b>Property : Test method</b>	<b>Requirement</b>	<b>Typical Values</b>
<b>Shear Adhesion</b>		
Dry Conditions (24 Hours) – Annex B (Clause 4.6)	Min.4.0 kN	4.50 – 5.50 kN
Dry Conditions (14 Days) – Annex B (Clause 4.6)	Min.10.00 kN	10.50 – 11.50 kN
Heat Ageing (7 Days Std + 7 Days Oven) – Annex B (Clause 4.6)	Min.5.00 kN	5.50 – 6.50 kN
Wet Conditions (7 Days Std + 7 Days Water) – Annex B (Clause 4.6)	Min.5.00 kN	5.50 – 6.50 kN

**The Adhesive mortar conforms to IS 15477: Type 2 Adhesive**