

## LATICRETE 111+LATICRETE 73

Fixing medium format tile/ceramic tile/vitrified tile/glass mosaic tile/natural stone on external/internal floor & wall with Laticrete 111 Crete filler powder mixed with Laticrete 73 latex admix. The thickness of adhesive shall be based on the tile size

Tile size up to 300X300mm - 3mm adhesive thickness

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 111: 5.5 ltr Laticrete 73

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

The adhesive shall be applied using suitable MYK LATICRETE square notch trowel as supplied by the company

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

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

Performance Properties Laticrete 111 Mixed With Laticrete 73 :

LATICRETE® 111 Crete filler powder mixed with Laticrete 73 Latex admix.

Applicable Standards:

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

ANSI Data		
Property : Test method	Requirement	Typical Values
<b>Open Time</b> (30 Minutes at 28 days): ANSI A118.4 Clause – 5.3	≥75 psi (0.50 Mpa)	130 psi – 150 psi (0.89 – 1.03 Mpa)
<b>Sag:</b> ANSI A118.4- Clause 6.0	≤0.02 Inches (0.50 mm)	0.014 – 0.018 Inches (0.35-0.45 mm)
Glazed wall tile Shear Strength		
7 Days: ANSI A118.4 – Clause 7.1.2	>300psi (2.06Mpa)	425-450 psi (2.92 Mpa-3.09 Mpa)

7 Days Water immersion: ANSI A118.4- Clause 7.1.3)	>200psi (1.38Mpa)	350-400 psi (2.40 Mpa-2.75 Mpa)
<b>Porcelain Mosaic Tile Shear Strength</b>		
1 Day: ANSI A118.4 – Clause 7.2.2	>75psi (0.50Mpa)	150 - 175 psi (1.03 – 1.20 Mpa)
7 Days: ANSI A118.4 – Clause 7.2.3	>200psi (1.38Mpa)	350 - 400 psi (2.40 – 2.75 Mpa)
7 Days Water immersion: ANSI A118.4 – Clause 7.2.4	>150psi (1.03Mpa)	300 - 325 psi (2.06 – 2.23 Mpa)
28 Days: ANSI A118.4 – Clause 7.2.5	>200psi (1.38Mpa)	375 - 425 psi (2.58 – 2.92 Mpa)
28 Days : W/ Freeze-Thaw cycling. ANSI A118.4 – Clause 7.2.6	>175psi (1.20Mpa)	375 - 425 psi (2.58 – 2.92 Mpa)
12 Weeks: ANSI A118.4 – Clause 7.2.7	>200psi (1.38Mpa)	400 - 450 psi (2.75 – 3.09 Mpa)
<b>Quarry Tile Shear Strength</b>		
28 Days : ANSI A118.4 – Clause 7.3.2	>150psi (1.03Mpa)	300 - 325 psi (2.06 – 2.23 Mpa)
28 Days : W/ Freeze-Thaw cycling. ANSI A118.4 – Clause 7.3.3	>100psi (0.69Mpa)	275 - 300 psi (1.89 – 2.06 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>	0.85 – 1.00 N/mm <sup>2</sup>
Slip Resistance: EN 1308	≤0.50 mm	0.35 - 0.45 mm
<b>Tensile Adhesion Strength</b>		
Initial: EN 1348 – Clause 8.2	≥1.00 N/mm <sup>2</sup>	1.60 –1.80 N/mm <sup>2</sup>
After Water Immersion : EN 1348 - Clause 8.3	≥1.00 N/mm <sup>2</sup>	1.20 – 1.30 N/mm <sup>2</sup>
Heat Ageing: EN 1348 – Clause 8.4	≥1.00 N/mm <sup>2</sup>	1.80 – 2.00 N/mm <sup>2</sup>
Freeze- Thaw: EN 1348 – Clause	≥1.00 N/mm <sup>2</sup>	1.60 – 1.80 N/mm <sup>2</sup>

8.5		
Transverse Deformation: EN12002	$\geq 2.5\text{mm} < 5.00\text{mm}$	2.8mm-3.2mm

**The adhesive mortar conforms to EN12004 / ISO 13007 as C2TES1**

<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.4.00 kN	5.75 – 6.00 kN
Dry Conditions (14 Days) – Annex B (Clause 4.6)	Min.10.00 kN	13.25 – 13.50 kN
Heat Ageing (7 Days Std + 7 Days Oven) – Annex B (Clause 4.6)	Min.5.00 kN	8.00 – 8.50 kN
Wet Conditions (7 Days Std + 7 Days Water) – Annex B (Clause 4.6)	Min.5.00 kN	6.75 – 7.00 kN

The Adhesive mortar conforms to IS 15477: Type 2 Adhesive