



LATICRETE 111+LATICRETE 4237

Fixing large format Ceramic tile/Vitrified tile/Natural stone on gypsum wallboard internal/external cement based screed,plaster,concrete with Laticrete 111 crete filler powder mixed with Laticrete 4237 high performance latex admix.The thickness of adhesive shall be based on the tile size

Tile size upto 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 4237

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

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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 Latex Fortified Laticrete 111+ Laticrete 4237:

LATICRETE® 4237, High Performance Latex admix mixed with Laticrete 111 Crete filler powder.

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)	150 psi – 160 psi (1.03 – 1.10 Mpa)
Sag: ANSI A118.4- Clause 6.0	≤0.02 Inches (0.50)	0.012 – 0.014 Inches (0.30-0.36)

	mm)	mm)
Glazed wall tile Shear Strength		
7 Days: ANSI A118.4 – Clause 7.1.2	>300psi (2.07Mpa)	450-475 psi (3.09 Mpa) 3.26 Mpa)
7 Days Water immersion: ANSI A118.4- Clause 7.1.3	>200psi (1.38Mpa)	350-400 psi (2.40 Mpa) 2.75 Mpa)
Porcelain Mosaic Tile Shear Strength		
1 Day: ANSI A118.4 – Clause 7.2.2	>75psi (0.52Mpa)	175 - 200 psi (1.20 – 1.37 Mpa)
7 Days: ANSI A118.4 – Clause 7.2.3	>200psi (1.38Mpa)	425 - 450 psi (2.92 – 3.09 Mpa)
7 Days Water immersion: ANSI A118.4 – Clause 7.2.4	>150psi (1.03Mpa)	375 - 400 psi (2.57 – 2.75 Mpa)
28 Days: ANSI A118.4 – Clause 7.2.5	>200psi (1.38Mpa)	475 - 500 psi (3.26 – 3.43 Mpa)
28 Days : W/ Freeze-Thaw cycling. ANSI A118.4 – Clause 7.2.6	>175psi (1.20Mpa)	400 - 425 psi (2.75 – 2.92 Mpa)
12 Weeks: ANSI A118.4 – Clause 7.2.7	>200psi (1.38Mpa)	475 - 525 psi (3.26 – 3.61 Mpa)
Quarry Tile Shear Strength		
28 Days : ANSI A118.4 – Clause 7.3.2	>150psi (1.03Mpa)	375 - 400 psi (2.57 – 2.75 Mpa)
28 Days : W/ Freeze-Thaw cycling. ANSI A118.4 – Clause 7.3.3	>100psi (0.69Mpa)	325 - 350 psi (2.23 – 2.40 Mpa)

The adhesive mortar conforms to ANSI A118.4ET

EN / ISO Data		
Property: Test Method	Requirement	Typical Values
Open Time: EN 1346	≥0.50 N/mm ²	1.00 – 1.10 N/mm ²
Slip Resistance: EN 1308	≤0.50 mm	0.30 - 0.35 mm
Tensile Adhesion Strength		
Initial: EN 1348 – Clause 8.2	≥1.00 N/mm ²	1.80 –2.20 N/mm ²
After Water Immersion : EN 1348 - Clause 8.3	≥1.00 N/mm ²	1.40 – 1.60 N/mm ²
Heat Ageing: EN 1348 – Clause 8.4	≥1.00 N/mm ²	2.00 – 2.30 N/mm ²

Freeze- Thaw: EN 1348 – Clause 8.5	$\geq 1.00 \text{ N/mm}^2$	1.80 – 2.00 N/mm ²
Transverse Deformation: EN12002	$\geq 2.5\text{mm} < 5.00\text{mm}$	3.3mm - 3.8mm

The adhesive mortar conforms to EN12004 / ISO 13007 as C2TES1

IS Data		
Property : Test method	Requirement	Typical Values
Shear Adhesion		
Dry Conditions (24 Hours) – Annex B (Clause 4.6)	Min.4.0 kN	7.00 – 7.50 kN
Dry Conditions (14 Days) – Annex B (Clause 4.6)	Min.10.00 kN	14.50 – 15.00 kN
Heat Ageing (7 Days Std + 7 Days Oven) – Annex B (Clause 4.6)	Min.5.00 kN	10.75 – 11.00 kN
Wet Conditions (7 Days Std + 7 Days Water) – Annex B (Clause 4.6)	Min.5.00 kN	8.50 – 8.75 kN

The Adhesive mortar conforms to IS 15477: Type 2 Adhesive