



Laticrete 333, super flexible latex admix:

Fixing large and very large format tile/ceramic tile/vitrified tile/glass mosaic tile/natural stone on external/internal floor& wall and over exterior grade plywood surfaces with Laticrete 290 powder mixed with Laticrete 333 Super flexible 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 290: 6.5 ltr Laticrete 333

The plaster applied over the wall/screed on the floor, Exterior Grade plywood substrate shall be strong, conform 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® 333, Super flexible Latex admix mixed with Laticrete 290 to make a thin bed adhesive.

Applicable Standards: For thin bed adhesive made with Laticrete 290 mixed with Laticrete 333 Super flexible latex admix:

ANSI A118.4, ANSI A118.11; EN 12004 / ISO 13007; IS 15477

ANSI Data		
Property : Test method	Requirement	Typical Values
Open Time [30 minutes at 28 Days] - A118.4 Clause (5.3)	≥ 75 psi (0.50 MPa)	30 minutes
Sag - A118.4 Clause (6.0)	≤ 0.02 in. (0.50 mm)	0.012 – 0.014 in.

Glazed Wall Tile Shear Strength		
7 Days - A118.4 Clause (7.1.2)	> 300 psi (2.07 MPa)	375-400 psi
7 Days Water Immersion - A118.4 Clause (7.1.3)	> 200 psi (1.38 MPa)	300-325 psi
Porcelain Mosaic Tile Shear Strength		
1 Day - A118.4 Clause (7.2.2)	> 75 psi (0.5 MPa)	100-125 psi
7 Days - A118.4 Clause (7.2.3)	> 200 psi (1.38 MPa)	425-450 psi
7 Days Water Immersion - A118.4 Clause (7.2.4)	> 150 psi (1.03 MPa)	300-325 psi
28 Days - A118.4 Clause (7.2.5)	> 200 psi (1.38 MPa)	475-500 psi
28 day w/freeze-thaw cycling - A118.4 Clause (7.2.6)	> 175 psi (1.21 MPa)	425-450 psi
12 Weeks - A118.4 Clause (7.2.7)	> 200 psi (1.38 MPa)	475-525 psi
Quarry Tile Shear Strength		
28 Days - A118.4 Clause (7.3.2)	> 150 psi (1.03 MPa)	400-450 psi
28 day w/freeze-thaw cycling - A118.4 Clause (7.3.3)	> 100 psi (0.69MPa)	350-375 psi

Laticrete 333 when mixed with Laticrete 290 powder, conforms to the requirements of ANSI A118.4, Designation ANSI A118.4TE.

ANSI Data		
Property: Test Method	Requirement	Typical Values
Shear Strength -Quarry tile to EGP		
7 Days - A118.11 Clause (4.1.1)	> 100 psi (0.69 MPa)	200-225 psi
28 days - A118.11 Clause (4.1.2)	> 150 psi (1.03 MPa)	275-300 psi
12 Weeks - A118.11 Clause (4.1.3)	> 150 psi (1.03 MPa)	325-350 psi

L-290+L-333 Product conforms to the requirements of ANSI A118.11.

EN Data		
Property: Test Method	Requirement	Typical Values
Open Time - EN 1346	≥ 0.50 N/mm ² After not less than 30 minutes	30 minutes
Slip Resistance - EN 1308	≤ 0.50 mm	0.30 – 0.35mm
S-Transverse Deformation - EN 12002	≥ 2.5 mm to < 5 mm	3.8 mm
Tensile Adhesion Strength		
Initial - EN 1348 (Clause 8.2)	≥ 1 N/mm ²	1.9 – 2.4 N/mm ²
After Water Immersion - EN 1348 (Clause 8.3)	≥ 1 N/mm ²	1.4 – 1.7 N/mm ²
After Heat Ageing - EN 1348 (Clause 8.4)	≥ 1 N/mm ²	2.1 – 2.4 N/mm ²
After Freeze-Thaw Cycles - EN 1348 (Clause 8.5)	≥ 1 N/mm ²	1.9 – 2.1 N/mm ²
Tensile Adhesion Strength on EGP (P1) - EN 1348	≥ 0.5 N/mm ²	0.8 – 0.9 N/mm ²

Laticrete 333 when mixed with Laticrete 290 powder, conforms to the requirements of EN 12004 / ISO13007 with a classification of C2TES1P1.

IS 15477 Data		
Property: Test Method	Requirement	Typical Values
Shear Strength		
Dry Conditions, 24 Hours - Annex A (Clause 4.5)	min. 4.00 kN	7.00 – 7.50 kN
Dry Conditions, 14 Days - Annex A (Clause 4.5)	min. 10.00 kN	14.75 – 15.25 kN
Heat Ageing Conditions (7D Std. + 7D Oven) - Annex A (Clause 4.5)	min. 5.00 kN	10.75 – 11.0 kN

Wet Conditions (7D Std. + 7D Water) - Annex A (Clause 4.5)	min. 5.00 kN	8.25 – 8.50 kN
--	--------------	----------------

Laticrete 333 when mixed with Laticrete 290 powder, conforms to the requirements of IS 15477, Designation Type 2.