

LATICRETE 300:

Fixing Any Tile or Stone on Metal- Steel or Aluminum wall with Laticrete Latapoxy 300 epoxy adhesive. 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 product is 3 components and comes in a pre measured kit of Part A, B & C.

The metal used shall be rigid (deflection not greater than L/360 for ceramic tile and L/480 for natural stone).

The metal shall be free of rust, paint or other contaminants.

The adhesive shall be applied using Laticrete square 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 Laticrete 300:

Applicable Standards:

EN 12004 / ISO 13007/ANSI A 118.3 & IS 15477: 2004

EN / ISO Data		
Test / Reference	Requirement	Typical Values
7 day cure Shear adhesion strength - ISO 13007-2 4.3.4 (EN 12003-7.3)	$\geq 2 \text{ N/mm}^2$	10-13 N/mm ² (1450-1885 psi) Tile/Stone failure
Shear adhesion strength after water immersion- ISO 13007-2 4.3.5 (EN 12003-7.4)	$\geq 2 \text{ N/mm}^2$	10-13 N/mm ² (1450-1885 psi) Tile/Stone failure
Shear adhesion Strength after Thermal Shock - ISO 13007-2 4.3.8 (EN 12003-	$\geq 2 \text{ N/mm}^2$	8.5 - 12 N/mm ² (1232-1740psi)

7.5)		Stone failure
Open time after 20 minutes - ISO 13007-2 4.1 (EN 1346)	$\geq 0.50 \text{ N/mm}^2$	3.0 -4.0 N/mm ² (20 minutes)

The adhesive mortar conforms to EN 12004 / ISO 13007 as R2

ANSI DATA		
Test / Reference	Requirements	Typical values
Compressive Strength - ANSI 118.3 Clause (5.6)	$\geq 3500 \text{ psi}$ (24.13 MPa)	>56.2 Mpa (8150 psi)
Tensile Strength - ANSI 118.3 Clause (5.7)	$\geq 1000 \text{ psi}$ (6.90 MPa)	12.41-18.61 (Mpa1800-2700 psi)
Shear Bond Strength		
Tile to Tile - A118.3 Clause (5.5)	$\geq 1000 \text{ psi}$ (6.90 MPa)	8.27-10 Mpa (1200-1450 psi) Tile failure observed
Marble to Marble - A118.3 Clause (5.5)	$\geq 1000 \text{ psi}$ (6.90 MPa)	8.2-12.4 Mpa (1200-1800 psi) Stone failure
Marble to Metal - A118.3 Clause (5.5)	$\geq 1000 \text{ psi}$ (6.90 MPa)	8.2-12.4 Mpa (1200-1800 psi) Stone failure
Thermal Shock (Porcelain tile & Stone) - A118.3 Clause (5.8)	$\geq 500 \text{ psi}$ (3.45 MPa)	7.6-11.3 Mpa (1100-1600 psi) Tile/Stone failure

Latapoxy 300 Product conforms to the requirements of **ANSI A118.3**.

PERFORMANCE PROPERTIES ACCORDING TO IS 15477(Type-2):

IS 15477 DATA		
Test / Reference	Requirements	Typical values
Shear Bond Strength		
Dry Conditions - 24 Hours Annex A (Clause 4.5)	min. 4.00 kN	20 kN
Dry Conditions, 14 Days - Annex A (Clause 4.5)	min. 10.00 kN	30 – 35 kN
Heat Ageing Conditions (7D Std. + 7D Oven) - Annex A (Clause 4.5)	min. 5.00 kN	30 – 35 kN
Wet Conditions (7D Std. + 7D Water) - Annex A (Clause 4.5)	min. 5.00 kN	30 –35 kN

Latapoxy 300 conforms to the requirements of **IS 15477**, Designation Type 2.

