



SPECIFICATION FOR INSTALLATION OF NATURAL STONE ON PLYWOOD FLOOR SURFACE BY THINSET METHOD

a) TILE FIXING:

Fixing natural stone on plywood floor surface with Laticrete 290 premium thin set adhesive mixed with Laticrete 333 Super flexible 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 290 : 6.5 ltr Laticrete 333

The plywood on floor should be minimum 2 layers of 5/8” (15mm) exterior grade with maximum joist or stud spacing not exceeding 16” (40cm) o.c.

The maximum deflection under all live, dead and impact loads shall not exceed the industry standard of L/360 for a ceramic tile L/480 for natural stone.

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

For detailed information on surface preparation refer to Laticrete Technical data sheet 152

For detailed installation and laying procedure follow Laticrete Method Statement.

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

Performance Properties:

Latex fortified thinset adhesive - Laticrete 290 thinset adhesive powder + Laticrete 333 latex admix

Test	ANSI 118.1	Result
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Initial Set	> 6 hours	4 hours
Final Set	9 – 15 hour	6 hour 30 min
28 day shear bond	> 200 psi	280 psi
28 day compressive	> 2500 psi	4100 psi

Product Standard : ANSI 118.1 - 1999

b) JOINT FILLING:

Providing and fixing spacer between tiles as per architecture requirement and grouting the same with Laticrete Tile Grout mixed with Laticrete 1776 Grout admix plus

For joints 1-3mm, use Laticrete Unsanded grout (600 series) mixed with Laticrete 1776.

For joints 3-12mm, use Laticrete Sanded grout (500 series) mixed with Laticrete 1776.

Mixing ratio shall be as follows:

10kg bag Laticrete Unsanded grout : 3.75ltr Laticrete 1776 grout admix plus

10kg bag Laticrete Sanded grout : 1.75ltr Laticrete 1776 grout admix plus

For detailed installation and laying procedure follow Laticrete Method Statement.

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

Performance Properties:

Laticrete tile grout – Laticrete 600 series unsanded grout + Laticrete 1776 grout admix plus

Test	ANSI 118.6	Result
Linear shrinkage 7 days	< 0.10%	<0.1%
Flexural strength 7 days	400 psi	800 psi
Tensile strength 28 days	350 psi	400 psi
Compressive strength 28 days	3000 psi	3050 psi

Product Standard : ANSI A118.6 -1999

Performance Properties:

Laticrete tile grout – Laticrete 500 series Sanded grout + Laticrete 1776 grout admix plus

Test	ANSI 118.6	Result
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Linear shrinkage 7 days	< 0.10%	<0.1%
Flexural strength 7 days	350psi	700 psi
Tensile strength 28 days	350psi	350 psi
Compressive strength 28 days	3500psi	3650 psi

Product Standard : ANSI A118.6 -1992