



SPECIFICATION FOR INSTALLATION OF VITRIFIED TILE ON METAL FLOOR BY THIN SET METHOD

a) TILE FIXING:

Fixing Vitrified tile on Metal- Steel or Aluminium floor with Laticrete 210 modified 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 component 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 Laticrete Method Statements.

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

Performance Properties:

Laticrete Latapoxy 210 epoxy adhesive

Test	ANSI 118.4	Result
Initial Set	>6 hr	6 hr 50 min
Final Set	9 – 15 hr	8 hr 30 min
28 day shear bond	150 psi	500 psi
28 day compressive	2500 psi ANSI 118.4 F-6.1 modified	3500 psi

Applicable Standard : ANSI A118.8-1999

b) JOINT FILLING:**Option I:**

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
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

Option II:

Providing and fixing spacer as per architecture requirement and grouting the same with Latapoxy SP-100 stain free grout. Colour to be selected by the architect from the Laticrete grout shade card.

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:

Latapoxy SP100 Stainfree grout

Test	ANSI 118.3	Result
Water cleanability	> 80min (E-5.1)	(>80 min)
Initial setting time	> 2 hr (E-5.2)	3 hours 30 min
Linear Shrinkage	≤0.25% (E-5.3)	> 0.10%
Sag	No change (E-5.4)	No change
Shear bond strength	>1000 psi (E-55)	1200 psi
Compressive strength	3500 psi (E-66)	7500 psi
Tensile strength	1000 psi (E-5.7)	1500 psi
Thermal shock	> 500 psi (E-5.8)	1100 psi

CHEMICAL RESISTANCE CHART at 75°F (23°C)			
CHEMICAL NAME	Continuous Exposure	Intermittent Exposure	Splash Exposure
Milk	R	R	R
**Wine	R	R	R
Ethanol	NR (soft)	R	R
**Potassium Permanganate 10%	NR	R	R
**Potassium Permanganate 1%	R	R	R
Tannic Acid to 50%	R	R	R
Tartaric Acid to 50%	R	R	R
Phosphoric Acid to 80%	R	R	R
*Sulfuric Acid to 20%	R	R	R
Oxalic Acid to 10%	R	R	R
Lactic Acid to 5%	R	R	R
Acetic Acid to 5%	R	R	R

SodiumHydroxide to 50% Saturated	R	R	R
Benzoic Acid 5%	R	R	R
Sea Water	R	R	R
Fruit Juice	R	R	R
Methanol	NR	NR	R
Mek	NR	NR	R
Chloroform	NR	NR	NR
Methylene Chloride	NR	NR	NR
Toluene	NR	NR	R
Xylene	NR	NR	R

Product Standard : ANSI A118.3 – 1999