



**SPECIFICATION FOR INSTALLATION OF VITRIFIED TILE ON INTERNAL & EXTERNAL FLOOR BY THICK MORTAR BED METHOD**

**a) ADHESIVE:**

Fixing vitrified tile on internal & external floor with Laticrete 226 thick bed adhesive mortar mixed with Laticrete 3642 (prediluted with water 1:4) and applied to a thickness of 25mm. The mixing ratio shall be as follows:

50 kg bag (Laticrete 226) : 1 ltr (Laticrete 3642): 4 ltr (water)

The concrete floor shall be properly cured, clean and free from impurities such as dust, dirt, curing agents, sealers etc

Spread a slurry bond coat of Laticrete 111 mixed with Laticrete 3642(prediluted with water 1:2) over the thick bed adhesive while it is wet and install the tiles. Beat the tiles to ensure full bedding.

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 thick bed adhesive – Laticrete 226 + Laticrete 3642

Test	ANSI 118.1	Result
28 day compressive strength	ASTM C-109	3500 psi
28 day flexural strength	ASTM C-580	1500 psi
28 day tensile strength	ASTM C-307	400 psi

**Product Standard : ANSI A-118.4-1992**

**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	
<b>CHEMICAL RESISTANCE CHART at 75°F (23°C)</b>			
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**