



**MIYK LATICRETE**

Tile & Stone Installation Solutions

**EXECUTION STATEMENT FOR INSTALLATION OF CERAMIC TILE ON PLYWOOD WALL SURFACE BY THIN SET METHOD**

**A) TILE ADHESIVE:**

Laticrete 290 thin set adhesive fortified with Laticrete 333 super flexible latex admix to form a high strength and super flexible tile adhesive.

**Substrate:**

The Plywood to be covered with ceramic tile shall be of exterior grade, clean and free of dirt, oil, grease, and paint.

The plywood on wall should be of minimum 5/8" (15mm) exterior grade.

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

The plywood shall be strong enough to carry the weight of tile

Note: Plywood is not a suitable substrate for exterior tile installation or interior areas subject to constant water exposure.

**Surface Preparation:**

a) Ensure the substrate is clean and free from impurities like dust, dirt, debris, oil, grease etc.

b) Dampen the plywood sheet before application of thin set adhesive

c) Clean the back of tile for any dust or coating.

**Mixing:**

The products can be mixed by hand or slow speed electric drill mixer (less than 300 rpm).

Pour Laticrete 333 latex admix in a clean container and then add the powder Laticrete 290 until the mixture becomes creamy and plastic. Do Not Overmix. Leave the mix to slake for 5-10 min and remix before use. Mix only sufficient for immediate need.

Proportion approximately 1 bag of Laticrete 290 with 6-7 ltrs of Laticrete 333. Adjust quantity of liquid to obtain proper consistency.

## **Installation:**

Dampen the plywood surface and remove the excess water before applying the adhesive. Ensure the area is shaded from sunlight. The adhesive shall be applied with the flat side of the trowel using a scraping motion to work the material into good contact with the surface to be covered. Additional mortar is then applied with the notched edge of the trowel.

When installing large tiles, spread adhesive onto back of tile in addition to trowelling material over surface to be tiled. Select proper type of notched trowel.

- a) Thin Tiles upto size 300 X 300 mm (1'X1'), use a square notched trowel of size 6mm X 6mm to provide a total thickness of 3mm
- b) Large Porcelain Tiles upto 450 X 450 mm with ribs, use a square notched trowel of size 6mm X 6mm and back butter the tiles with the same adhesive to a thickness of 1-1.5mm to provide a total thickness of 4.5mm
- c) Large Porcelain Tiles upto 600 X 600 mm (2'X2') with ribs, use a square notched trowel of size 6mm X 9mm and back butter the tiles with the same adhesive to a thickness of 1-1.5mm to provide a total thickness of 6mm

**The most important standard to keep in mind is to insure that the piece of tile is completely bedded in the mortar or adhesive with 100% coverage.**

Rear face of tiles (especially Porcelain tiles) should be cleaned with damp sponge to clean all the dust. Do not saturate in water.

Excess mortar on adhesive shall be cleaned from the surface of the stone with wet cloth or sponge while the mortar is fresh.

## **B) GROUTING:**

When the tiles have set firm, spacers and bottom support can be removed.

### **I Cement based colour Grout**

Use Laticrete 600 series Unsanded Grout Filler (available in a range of colours) when grout joints are less than 3 mm wide and Laticrete 500 series Sanded Grout Filler (available in a range of colours) for joints 3mm – 12mm.

The Cement based colour joints are strong and are resistant to weather, cracking and discolouration.

### **Mixing Ratio:**

Laticrete Unsanded grout : Latex 282

10kg bag : 3.75 ltr

Laticrete Sanded grout : Latex 282

10 kg bag : 1.75 ltr

Mix the grout filler with 282 Latex Admix , mix only as much can be used in ½ hour or less. Clean up immediately before beginning next mix.

When applying, the grout joints should be free of dirt, debris or tile spacers. Sponge or wipe dust/dirt of tile faces and remove water standing in joints. Pack joints full and free of voids with rubber grouting float. Remove excess grout from tile faces using edge of rubber float and diagonal strokes (at 45° angle to direction of joints). When the joints have set, use a moist sponge to remove excess grout from the tile and joint. Use minimal water for clean up. Final clean up to remove any grout haze should be carried out within the next 12 – 24 hours.

## **II Stainless, Chemical Resistant Epoxy Grout – Latapoxy Sp-100**

Latapoxy SP-100 is a stain free, chemical resistant epoxy grout. It is not stained by most of the food & beverages, cleaning chemicals, dilute acids and alkalies.

### **Mixing & Application**

- 1 Before grouting, remove all dust & impurities from the tiles. Dampen the tiled surface with a sponge.
- 2 Pour the contents of Part A & Part B into a pail and mix together for 1 min.
- 3 Add the part C filler powder  $\frac{3}{4}$  of the content and mix together. Add remaining filler powder if required to achieve desired consistency.
- 4 Fill the joints using a rubber float.
- 5 Remove the excess grout, holding the float diagonally.
- 6 After 30-45 min of the application of the grout scrub the surface of the tile & joint with clean water and scrubber provided to remove any excess grout.
- 7 Draw a clean cloth and drag across the tile to remove any residue.
- 8 Next day clean the grout haze from the tile with clean water

### **C) EXPANSION AND CONTROL JOINTS:**

- 1 Existing joints in concrete must be carried through tile work and shall conform to architectural details.
- 2 Interior installations shall have movement joint spaced a maximum of 10m X 10m. For exterior areas it shall be spaced at 5m X 5m and shall conform to architectural details.
- 3 Follow the Tile Council of America detail EJ-171 Expansion joint.

### **TECHNICAL SERVICES**

**NOTE:** LATICRETE Method Statements are provided for information purposes. The LATICRETE Product Data sheets supercede any information provided in the method statement.

**NOTE:** LATICRETE Product datasheets are subject to change without notice. For latest revision, check our website at [www.myklaticrete.com](http://www.myklaticrete.com)

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