



MYK LATICRETE

Tile & Stone Installation Solutions

EXECUTION STATEMENT FOR INSTALLATION OF GLASS MOSAIC TILES IN A SWIMMING POOL

A) THICK MORTAR BED

Product: Ordinary portland cement – sand mix in a ratio of 1:3 , Laticrete 3642 diluted with potable water in a ratio of 1:4.

Substrate:

All surfaces should be structurally sound, clean and free of all dirt, oil, grease, curing compounds etc. Dry, dusty concrete surface or masonry should be dampened and excess water swept off. Installation may be made on a damp surface. If the concrete or masonry surface is very old, apply a slurry bond coat of Laticrete filler powder mixed with Laticrete 73 prior to installation of mortar bed.

Surface Preparation:

- a) If a plaster/leveling render is applied, ensure that it is cured for at least 7 days to achieve proper strength before application of tile adhesive for installation of tile
- b) Ensure the substrate is clean and free from impurities like dust, dirt, debris, oil, grease, curing agents, loose plaster etc.
- c) Dampen the surface before application of thin set adhesive
- d) Clean the back of tile for any dust or coating.

Application:

- 1 Mix Laticrete 3642 concentrated liquid admix with potable water in the desired ratio ie 1:4 in a clean container.
- 2 Mix cement and clean well graded sand in a ratio of 1:3.
- 3 Add the liquid mix to the powder and mix slowly, adjust the mix to a semi dry consistency.
- 4 Place the mortar while the slurry bond coat is still wet and tacky.

5 Compact the surface of the mortar with flat trowel and ensure all voids are filled.

6 Level the mortar true and plumb to carry out the next stage of installation with a thin set adhesive.

7 Wait 12-24 hours for the mortar to set and cure before starting the water proofing.

B) WATERPROOFING MEMBRANE:

Product: Laticrete 9237, water proof membrane

Surface Preparation:

Surface to be waterproofed should be plumb and true to within 3mm in 3m. Rough or uneven masonry, concrete or mortar bed surfaces should be made smooth or leveled with Portland cement-sand mortar to provide a steel float finish. Surfaces should be clean and free from dirt, grease, concrete sealers or curing compounds. Dry or dusty surfaces must be dampened and swept off.

Application:

1 First treat any coves or corners. Double application of fabric and liquid is required for all coves, corners, board joints and changes in plane.

2 Apply a liberal coat of Laticrete 9237 approximately 4"(10cm) on each side of corner or cove.

3 Fold the 6"(15cm) wide fabric in half and embed in the liquid coat, press firmly with a brush or roller to allow complete bleed through of liquid.

4 Seal the fabric with Top coat of Laticrete 9237.

5 Now apply a liberal coat(0.5mm-0.75mm) of Laticrete 9237 over the entire surface to be waterproofed, going back over the fabric reinforced areas.

6 Allow to dry the membrane for 2-3 hours.

7 When membrane is dry to touch, spread a second and top coat (0.5mm-0.75mm) of Laticrete 9237 over the entire surface including the fabric reinforced areas.

8 When the membrane is dry to touch, tiles can be installed using Laticrete Thin set adhesive fortified with latex.

Crack Suppression:

The fabric used with the liquid 9237 can be used to treat hairline shrinkage cracks upto 3mm in concrete and cement plaster.

- 1 Apply a liberal coat of Laticrete 9237 approximately 4”(10cm) on each side of crack.
- 2 Imbed the 6”(15cm) wide reinforcing fabric on the applied liquid and press firmly with brush or roller to allow complete bleed through of liquid.
- 3 Top coat the fabric with Laticrete 9237.
- 4 Tiles can be installed when the membrane is dry to touch.

C) TILE ADHESIVE

The Laticrete adhesive shall be prepared by mixing Laticrete 252 Ag Silver Glass Mosaic adhesive white in colour with clean potable water. The mix shall be applied to the surface to be tiled with a notched trowel using a scraping motion to work the adhesive into good contact with the surface to be covered. Notch trowel with notches approximately 4mm is recommended to get a bed thickness of 1.5-2mm.

Apply only so much that can be covered within 10-15 min or while the adhesive surface is still tacky.

The Glass Mosaic tiles shall then be set in place and beaten gently with mallet or grouting float to insure 100% full bedding. Tiles shall be aligned to achieve uniform joints and then allowed to set until firm.

The face of the sheets of front mounted glass mosaic tiles shall then be dampened and the face mount paper removed.

Excess adhesive must be cleaned from the surface of the tile with a wet cloth or sponge while the adhesive is fresh and has not hardened.

D) EXPANSION AND CONTROL JOINTS:

1 Existing joints in concrete must be carried through tile, marble and stone work and shall conform to architectural details.

2 Interior installations shall have movement joint spaced a maximum of 10m X10m. 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.

E) GROUTING

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

I 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

II 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.

Mixing Ratio:

Laticrete Unsanded grout : Latex 282

10kg bag : 3.75 ltr

Laticrete Sanded grout : Latex 282

10 kg ba : 1.75 ltr

Application:

Mix the grout filler with 282 Latex Admix , mix only as much can be used in $\frac{1}{2}$ hour or less. Clean up immediately before beginning the 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.

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

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For additional technical support, contact Laticrete Technical Services Division.