



EXECUTION STATEMENT FOR INSTALLATION OF INDUSTRIAL TILES ON FLOOR BY THIN SET METHOD

A) TILE ADHESIVE:

Laticrete 111Crete Filler Powder fortified with Laticrete 73, latex admix to form a high strength, shock & impact resistant tile adhesive

Substrate:

The surfaces to be covered with Industrial Tile shall be sound and confirm to good design, rigid, clean and free of dirt, oil, grease, curing compounds, form release agents or loose plaster and paint. For economy the surfaces should be level and true within :

Walls - 3mm in 2.5m

Floors - 1.5mm in 1.0m

Surface Preparation:

- a) If a plaster/leveling mortar bed 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 wall before application of thin set adhesive
- d) 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 73 latex admix in a clean container and then add the powder Laticrete 111 until the mixture becomes creamy and plastic. Do Not Over mix. 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 111 with 5-6 ltrs of Laticrete 73. Adjust quantity of liquid to obtain proper consistency.

Installation:

Wet the 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 after Beat in.

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 tiles 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.

Laticrete Latapoxy 2000, High Industrial Chemical Resistant Grout

Latapoxy 2000 is a 100% solids epoxy grout which is resistant to both acids and alkalis. It is unaffected by steam cleaning and can withstand temperatures upto 182 deg celsius (intermittent).

It is a 3 comp system, simple to apply and water cleanable.

Mixing & Installation

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

2 Before grouting, remove all dust & impurities from the tiles. Dampen the tiled surface with a sponge.

3 Pour the contents of Part A & Part B into a pail and mix together for 1 min.

- 4 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.
- 5 Fill the joints using a rubber float.
- 6 Remove the excess grout, holding the float diagonally.
- 7 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.
- 8 Draw a clean cloth and drag across the tile to remove any residue.
- 9 Next day clean the grout haze from the tile with clean water.

C) EXPANSION AND CONTROL JOINTS:

- a) Existing joints in the structure must be carried through to the surface of Industrial tile flooring with same width as structural joint and shall conform to architectural details. The movement joints can then be filled using Laticrete Latasil HD, industrial Silicone sealant.
- b) Interior areas shall have expansion joints spaced at a maximum of 7m x 7m.
- c) Find attached Tile Council of America details EJ – 171 for expansion joints.

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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