1956 – 2006

50 years of innovation

This specification covers the installation of Cinajus Travertine Tiles on floors and walls in external and internal situations.

NOTES TO SPECIFIER:
Stone & tile fixing and grouting adhesives & mortars do not constitute a waterproof barrier. Laticrete 9255 thin, load bearing waterproof membrane should be specified & detailed in all wet areas. For water sensitive stone or agglomerates use Latapoxy 300. (refer to Laticrete Technical Service).

MATERIALS:
All stone tiles, where called for, shall be, Travertine.
Stone tiles as supplied by: Cinajus PTY LTD 32 Bryant Street Padstow (02) 9773 5677
Materials for slurry bond coat shall be: Laticrete 3701 mortar admix gauged with Laticrete 211 filler powder if required
Materials for Rendering / Screeding shall be: Laticrete 3701 Mortar Admix gauged with site mixed sand and cement at the ratio of 3:1 if required
Materials for waterproofing & Anti-fracture shall be: Laticrete 9255 waterproof membrane, if required.
Materials for fixing tile shall be: Laticrete #335 Premium polymer fortified cement based adhesive.
Materials for grouting tile shall be: Laticrete Permacolour grout.
All waterproofing, anti-fracture, tile installation and grouting materials shall be as supplied by LATICRETE PTY LTD, 29 Telford Street, Virginia, Brisbane Australia. Telephone: (07) 3865 1599, Fax: (07) 3865 2250.

**PREPARATION:**
**Prior to commencing the installation, the contractor shall examine the areas to be covered and advise the Main Builder / Owner of any existing conditions or surface contamination which will require correction before the work commences.**

**SURFACE PREPARATION:**
**Surface to be covered shall be cleaned to remove soil, dust, curing compounds, form oil, sealants, or grease. Cleaning shall be by means of high-pressure Hydro-blasting, Sand/grit blasting or "mechanical scabbling." Surface to be waterproofed or tiled shall be plumb and true within 3 mm in 3 m and shall have a steel trowel finish. Out-of-plumb, rough or uneven masonry, concrete or mortar bed surfaces should be rendered & made smooth or level with Laticrete 3701 Mortar Mix to provide a wood float quality finish. Dry or dusty concrete surfaces shall be washed and excess water removed before the application of the 3701 mortar render or screed which shall be applied as a wet, workable render and finished to a wood float finish. Dry or dusty surfaces shall be washed and**

**excess water removed before the application of the LATICRETE 9255 Waterproof Membrane or tile work. Installations may be made on a damp surface.**

MIXING:
Mix according to printed product instructions included with each product package. Mix only long enough to wet out the batch. Do not over-mix.

INSTALLATION OF RENDER & MORTARS:
The LATICRETE 3701/3:1 sand/cement mortar shall be applied with a steel trowel using a scraping motion to work the material into good contact with the surface to be covered. Only, as much, render shall be applied as can be "hung" without "bellying," slumping or sliding. The application of the Laticrete 3701/226, render shall be applied as a wet, workable render and finished to a steel trowel finish.

INSTALLATION OF SCREED MORTARS:
Bed thickness shall be from "featheredge up to 50mm as required to provide a "plumb, true & smooth" surface to receive waterproof membrane & thin set tile work. Before placing mortar bed apply a Latex Portland Cement, Slurry Bond Coat of Laticrete 3701 and 211 filler powder. Place the mortar bed while the slurry bond coat is still wet and tacky. The mortar shall be rodded and compacted with a steel trowel and finished to a "plumb, true & smooth" wood-float or steel trowel finish. On the hardened screed or mortar bed, tile shall be installed by the thin bed method.

INSTALLATION OF WATERPROOF MEMBRANE / ANTI-FRACTURE MEMBRANE:
Anti-Fracture membrane is installed over hairline cracks in the concrete substratum. This operation is completed before the waterproof coating. Waterproof membrane, where required, is installed throughout the entire area before the tile is installed. Ensure the surface to be waterproofed is cleaned down to remove dust, which may have settled after the initial surface preparation. When this first coat is dry, a second sealer coat is applied to fill any voids or pin holes.

INSTALLATION OF TILES BY THE THIN BED METHOD:
The LATICRETE # 335 adhesive shall be applied with a notched trowel using a scraping motion to work the material into good contact with the surface to be covered. A trowel having notches approximately 10mm x 10mm or larger is recommended. Only as much Adhesive shall be applied as can be covered within 10-15 minutes, or while adhesive surface is still wet and tacky. When installing tile a small quantity of the adhesive shall be trowelled onto the back of each piece. The tile shall then be set in place and rapped or beaten with a small beating block to insure 100% full bedding and a true surface. The limestone tile shall be aligned to show uniform joints and then allowed to set until firm. Excess adhesive must be cleaned from the surface of the stone or tile with a wet cloth or sponge while the adhesive is fresh.

EXPANSION AND CONTROL JOINTS:
Existing joints in subsurface must be carried through ceramic tile work and shall conform to architectural details and Australian Standards. Expansion joints shall be installed where ceramic tile abuts restraining surfaces, such as perimeter walls, curbs, columns, corners, etc. Expansion joints shall be installed at all "changes of plane" in the ceramic tile work.

GROUTING AND POINTING JOINTS:
Joints shall be grouted or pointed with Laticrete Grout Permacolour, colour as selected from Laticrete grout colour chart. Joints shall be packed full and free of all voids and pits. (Tool or rake as specified). Excess grout shall be cleaned from the surface as the work progresses, while grout is fresh and before it hardens. The day after installation grout film or haze shall be removed using a detergent solution. No acids should be used for cleaning.

PROTECTION:

The contractor shall take precautions to protect the finished work from damage by other trades. Do not allow construction traffic on fresh grout joints. Allow the grout to cure for a minimum of 7 days before aggressive technique or steam cleaning. Allow the finished tile work to cure for a minimum of 7 days. Cold Weather Note: The curing, of tile installation mortars, adhesives & grouts is retarded by low temperatures and finished work should be protected for an extended period of time.

LATICRETE Technical Services provides reviews of job specifications, plans, project details and provides answers to questions concerning the installation of ceramic tile, brick, marble and natural stone. Call toll free in Australia: 1800 33 1012. World wide: Telephone USA +1 (203) 393-0010. FAX: USA (203) 393-1684.
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Prepared by Glenn mannix