



Mineralite to Internal & External Walls

Installation Recommendations

SCOPE

These general recommendations apply to installations of Large Format Mineralite tile and panel to suitable interior and exterior walls. Furnish all labour, materials and tools to complete the works. All works shall be carried out by experienced qualified trades.

NOTES TO SPECIFIER

Contact LATICRETE for a custom specification.

Install work in accordance with manufacturer's instruction, LATICRETE specifications, technical data sheets, product data sheets, AS3958, AS 3740 and AS 4654.

Use the specialist tools designed to handle, process and install Large Mineralite Tiles & Panels.

INSTALLATION MATERIALS

Latex-Portland Cement Thick Bed Mortar (for concrete & masonry wall "scratch" and "render coats" where

required): [LATICRETE® 3701 Latex Admix](#) mixed with [LATICRETE 226 Thick Bed Mortar](#) or [LATICRETE 3701 Fortified Mortar Bed](#)

Waterproofing/Crack Isolation System: [LATICRETE HYDRO BAN](#), [LATICRETE HYDRO BAN Fillet & Sealant](#) and [LATAPOXY Moisture Shield](#)

Epoxy Thin Bed Adhesive (for bonding to clean, rigid, metal flashings): [LATAPOXY 300 Adhesive](#)

Latex-Portland Cement Skim Coats & Tile Adhesive: [LATICRETE 254 Adhesive](#).

Latex-Portland Cement Grout: [PERMACOLOR Grout](#)

Epoxy Grout: (not for external facades) [LATICRETE SPECTRALOCK PRO Premium Grout](#)

Installation materials to be supplied by LATICRETE Australia Pty Ltd; Telephone: 1800 331 012; E-mail: technicalservices@laticrete.com.au; Website: www.laticrete.com.au

For this recommendation, all tile and stone, including any mounting systems are deemed to be, dimensionally stable, not moisture sensitive, fit for purpose and suitable for the proposed application by CERAMIC Surfaces Australia.

PREPARATIONS

The installer is to examine substrates and advise the Builder and Architect of all existing conditions and surface contamination, which will require correction, before the work commences. Before starting, substrates are to be cleaned to remove concrete curing compounds, *sealers*, soil, mortar, dirt, dust, paint or anything that may inhibit bond. Curing compounds, laitance and sealers must be removed by whatever methods deemed suitable by the contractor. For tiles with edges below 380mm, uneven or "out-of-plumb" surfaces must be made "plumb and true" to within 3mm in 3m from the required plane and 1.5mm in 600mm from the high spot. For tiles with an edge greater than 380mm, surfaces must be made plumb and true within 3mm in 3m from the required plane and 1.5mm in 600mm from the high spot. Dry and dusty concrete surfaces must be water washed and excess water removed just prior to the application of LATICRETE installation materials. Install LATICRETE Renders and skim coats where required. in accordance with manufacturer's instructions. Drywall sheets shall be approved for use and proposed loads. Adjacent sheets shall not exceed 1mm (lippage). Substrate deflection shall not exceed L/360 for thin bed tile installations and L/720 for thin bed external framed and sheeted installations.

MOVEMENT JOINTS

Existing joints in substrate are to be carried through the tile work and conform to architectural details. Movement joints must be installed where tile abut restraining surfaces, such as perimeter walls, curbs, columns, corners, etc. Movement joints must be installed at all "changes of plane" in the tile & panel work. Refer to AS3958 for industry recommendations. The responsibility for calculating the actual spacing and size of the expansion joints shall be by the architect/engineer. Use LATICRETE LATASIL™, with LATASIL 9118 Primer. Minimum movement joint width shall be 6mm.

MIXING

Mix according to printed product instructions included with each LATICRETE product package.

WATERPROOFING /CRACK ISOLATION MEMBRANE INSTALLATION

NOTE: Mineralite tiles and their fixing and grouting materials do not constitute a waterproof barrier. Specify and detail LATICRETE HYDRO BAN Waterproof Membrane System where required. Ensure surfaces are flat, smooth, plumb and dry before applying membrane. Install LATAPOXY Moisture Shield prior to HYDRO BAN in external facade installations. See [TDS 1003- HYDRO BAN Installation Instructions for Australia](#).

LARGE CERAMIC TILE & PANEL INSTALLATION

NOTE: Minimum final bed thickness is 3mm for large format tile and 6mm for panel (tile with an area greater than 1m²).

Use the appropriate trowel notch size to ensure proper bedding of the selected tile or panel. Work the adhesive into good contact with the substrate and comb with notched side of trowel. Spread only as much adhesive as can be covered while the adhesive surface is still wet and tacky. Target 100% coverage of adhesive to the substrate. Refer to AS 3958: 2023 for detailed trowelling instructions for large tile and panel installations. Allow installation to set 24 hours at 21° C. Clean excess adhesive from tile faces and joints as the work progresses.

GROUT INSTALLATION:

Allow tile installation to cure a minimum of 24 hours @ 21°C. Large format panel may require longer curing time. Verify grout joints are free of dirt, debris and spacers. Sponge or wipe dust/dirt off tile or panel face and remove any water standing in joints. Surface temperature must be between 10 - 32°C. Fully pack joints and dress to the desired finish and depth. Inspect joints for pinholes/voids and repair them with freshly mixed grout. Do not allow epoxy film to dry on the face of the tile or panel, check for remaining haze and remove it with warm soapy water. Do not use acid cleaners. See [TDS 1008 – SPECTRALOCK PRO Premium Grout Instructions Australia](#) for detailed instructions.

PROTECTION

The Contractor is to take precautions to protect the finished work from damage by other trades. Protect exterior installations from exposure to rain for a minimum of 7 days at 21°C.

COLD WEATHER NOTE

The curing of installation materials is retarded by low temperatures and finished work should be protected for an extended period of time. Typically, for every 10°C below 21°C, installation materials take twice as long to cure.

HOT WEATHER NOTE

The evaporation of moisture in Portland cement grouts is accelerated by hot, dry conditions. Apply grout to dampened surfaces & protect freshly spread grout & finished work when installing in temperatures over 35°C. Work in shaded environments, cover areas with light coloured tarps, and work at cooler times of days when scheduling allows.

CLEANING

Large Tile & Panels shall be cleaned with LATICRETE STONETECH Cleaners as appropriate for the installation. Consult the product data sheet and technical guides prior to use. For further information contact stonetech@laticrete.com.au Test prior to use in a small unobtrusive area.

LATICRETE Technical Services provides review of job specifications and plans, project detail planning and review, and provides answers to questions concerning the installation of Mineralite Tiles & Panels. Call toll free on 1800331012. E-mail: technicalservices@laticrete.com.au Internet: www.laticrete.com.au to obtain a copy of detailed product information, most recent revisions of LATICRETE data sheets, and for answers on installation questions.

© 2026 LATICRETE AUSTRALIA Pty Ltd. The rights to copy, distribute, and utilize for commercial purposes is specifically granted to Architects, Engineers, and Specifications Writers.