



Innovative Tile and Stone
Installation Systems

Design Décor Mirror Tiles Short Form Installation Specification



DESIGN DECOR *decorative tiles*
BY D&W INC.

SPECIFICATION

This specification covers the installation of Design Décor Mirror Tiles in interior wet areas and dry areas.

NOTE TO SPECIFIER

Glass tiles, mortars, and grouts do not provide a completely waterproof barrier. Detail and specify LATICRETE® Hydro Ban™ or LATICRETE 9235 Waterproofing Membrane in all wet areas and over existing, non-structural, hairline cracks ($\leq 1/8"$ or 3mm) in the substrate. A LATICRETE "System" approach to installation is covered by a comprehensive 10 year warranty (Reference LATICRETE DS 230.12).

MATERIALS

Tiles: **Design Décor Mirror Tiles** as manufactured by **D&W Inc.**; 941 Oak Street; Elkhart, IN 46514;
Toll Free Phone: (800) 255-0829; Web site: www.designdecormirrortile.com.

Thick bed mortar for leveling and pitching substrates shall be LATICRETE 226 Thick Bed Mortar mixed with LATICRETE 3701 Mortar Admix. Sound and Crack Isolation Mat shall be LATICRETE 170 Sound & Crack Isolation Mat. Waterproofing/Crack Suppression Membrane shall be LATICRETE Hydro Ban or LATICRETE 9235 Waterproofing Membrane. Thin bed mortar for installing Mirror Tiles shall be LATICRETE 254 Platinum. Epoxy thin bed mortar for installing Mirror Tiles to clean, rigid, steel substrates shall be LATAPOXY® 300 Adhesive. Polymer fortified cement grout shall be LATICRETE PermaColor™ Grout [For joint widths $1/16"$ to $1/2"$ (1.5 mm to 12 mm)] For improved stain resistance, specify LATICRETE SpectraLOCK® PRO Grout. Tile installation materials shall be supplied solely by **LATICRETE International, Inc.**; Bethany, CT; USA Telephone: 1 (203) 393-0010; Fax: 1 (203) 393-1684; E-mail: technicalservices@laticrete.com; Website: www.laticrete.com.

PREPARATIONS

Prior to commencing the installation, the contractor shall examine substrates and advise the General Contractor and Architect of any existing conditions or surface contamination which will require correction before the work commences. Before starting, substrates shall be cleaned to remove curing compounds, sealers, soil, mortar, dirt, dust, etc. Curing compounds or sealers shall be removed by bead-blasting, grit / sand blasting, diamond wheel grinder with dustless vacuum attachment, or equivalent methods of mechanical scarifying. After removal of the curing compounds or sealers all rough, uneven or "out-of-plumb" surfaces shall be made "plumb and true" to within $1/8"$ in 10' (3 mm in 3 m) and $1/16"$ in 1' (1.5 mm 300 mm) using LATICRETE 226 Thick Bed Mortar mixed with LATICRETE 3701 Mortar Admix. Dry or dusty concrete or masonry surfaces shall be water washed and excess water removed just prior to the application of LATICRETE underlayments, membranes, and mortars.

EXPANSION AND CONTROL JOINTS

Existing joints in subsurface must be carried through the tile work and shall conform to architectural details. Expansion joints shall be installed where tile abuts restraining surfaces, such as perimeter walls, curbs, columns, corners, etc. Expansion joints shall be installed at all "changes of plane" in the tile work. Refer to Tile Council of North America (TCNA) Detail EJ-171 (Current Year) for industry recommendations

INSTALLATION OF WATERPROOFING AND ANTI-FRACTURE MEMBRANE

Install waterproofing membrane in all wet areas before tile is installed. Install anti-fracture membrane over all hairline cracks ($\leq 1/8"$ or 3mm) in substrates prior to installing tile.

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 MIRROR TILE BY THE THIN BED METHOD

The thin bed mortar shall be applied with a notched trowel using a scraping motion to work the mortar into good contact with the substrate. A trowel having notches large enough to insure "full bedding" of the tile is recommended. Do not apply more thin bed mortar than can be covered within 10-15 minutes, or while thin bed mortar is still wet and tacky. Tiles shall then be set in place and pressed firmly to insure 100% full bedding and a true surface. Align tiles to show uniform joints and then allow to set until firm [typically 24 hours at 70° F (21° C)]. Excess thin bed mortar must be cleaned from the surface of the Mirror Tiles with a clean, wet cloth or sponge while it is still fresh.

GROUTING AND POINTING JOINTS

Joints shall be packed full and free of all voids and pits. Excess grout shall be cleaned from the surface of the tile as the work progresses, while the grout is fresh and before it hardens. The day after installation cement grout film or haze shall be removed using a neutral Ph detergent solution. Epoxy grout haze should be removed the same day as indicated in the printed product instructions. No acids should be used for cleaning glass tile work.

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 cement grout to cure for a minimum of 7 days at 70° F (21° C) before aggressive cleaning. *NOTE: Steam cleaning LATICRETE® SpectraLOCK® PRO Grout is not recommended.*

COLD WEATHER NOTE

The curing of latex and Portland cement based materials is retarded by low temperatures and finished work should be protected for an extended period of time. Typically, for every 18° F below 70° F (10°C below 21°C), latex and Portland cement based materials take twice as long to cure.

WET AREA NOTE

When using LATICRETE latex or polymer fortified cement grout, allow tile work in wet areas, such as swimming pools and fountains, to cure for 14 days at 70° F (21° C) before exposing to water immersion. When using LATICRETE SpectraLOCK PRO Grout, allow tile work in wet areas, such as swimming pools and fountains, to cure for a minimum of 10 days at 70° F (21° C) before exposing to water immersion.

LATICRETE Technical Services provides review of job specifications and plans, project detail planning and review, and provides answers to questions concerning the installation of ceramic tile, brick, marble and stone. Call toll free USA +1 (203) 393-0010. Fax: USA +1 (203) 393-1684. E-mail: technicalservices@laticrete.com, Internet: www.laticrete.com. To obtain a copy of detailed product information, most recent revisions of LATICRETE data sheets, and answers to installation questions, E-mail: technicalservices@laticrete.com or call (800) 243-4788 x.235.

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