



Innovative Tile and Stone
Installation Systems

Ubertile uberdeK™

Short Form Installation Specification

SPECIFICATIONS

This specification covers the installation of porcelain tiles using **Ubertile uberdeK™** and **LATICRETE®** tile and stone installation systems on exterior, residential, wood framed decks and balconies over unoccupied spaces.

SUBSTRATE REQUIREMENTS

Wood joists must be a minimum 2" x 10" (50mm x 250mm) and be spaced a maximum of 16" (400mm) on center. Wood framed decks and balconies must be pitched 1/4" per foot (6mm in 300mm) to allow for water evacuation. Wood framed flooring systems must be installed in accordance with International Residential Code (IRC) for residential applications, International Building Code (IBC) for commercial applications, or applicable local building code. Wood framed flooring systems must meet deflection criteria as called for by the applicable building code under the total anticipated load. (e.g. L/360 for tile installations).

NOTE TO SPECIFIER

Tiles and their installation adhesives and grouting mortars do not constitute a waterproof barrier. Detail and specify LATICRETE® HYDRO BAN® on top of the leveling mortar installed over the uberdeK. A LATICRETE "System" approach to installation is covered by a comprehensive 25 year warranty (please refer to LATICRETE DS 025.0 for warranty details). Also, refer to LATICRETE Detail Drawing "ES-F103-Uber."

MATERIALS

Deck and balcony underlayment system shall be **uberdeK** as distributed by Ubertile Corporation, Unit 102, 10330-117 Ave, Grande Prairie, AB, T7V 7S5, Canada, Ph: 1 (877) 759 – 5755, Fax: 1 (877) 253- 6278. Install uberdeK in strict accordance with the written installation instructions provided by Ubertile Corporation.

Tile installation mortars, waterproofing membranes, and grouts shall be as supplied by **LATICRETE International, Inc., Bethany, CT USA. Telephone: 1 (203) 393-0010, Fax: 1 (203) 393-1684. E-mail: technicalservices@laticrete.com, Internet: www.laticrete.com.**

- Leveling mortar shall be LATICRETE 3701 Fortified Mortar Bed.
- Waterproofing and crack suppression membrane shall be LATICRETE HYDRO BAN®.
- Thin bed adhesive mortar shall be LATICRETE 254 Platinum.
- Grout shall be either LATICRETE SPECTRALOCK® PRO Premium Grout (for improved stain resistance).
- Expansion Joint LATICRETE LATASIL™

PREPARATIONS

Prior to commencing the installation, the contractor shall examine the areas to be covered and advise the General Contractor and Architect of any existing conditions or surface contamination which will require correction before the work commences.

EXPANSION AND CONTROL JOINTS

Expansion joints shall be installed where tile abuts restraining surfaces, such as perimeter walls, columns, corners, etc. Expansion joints shall be installed at all "changes of plane" in the tilework. Refer to the current Tile Council of North America (TCNA) Detail EJ-171, and/or TTMAC Specification Guide 09 30 00 Tile Installation Manual, Detail 301MJ-2016-2017" for industry recommendations. LATICRETE LATASIL is to be applied to all expansion joint locations. Note the use of an appropriate bond breaker tape is required where LATICRETE LATASIL is applied.

MIXING

Mix all LATICRETE® materials according to printed product instructions included with each product package or as found on product data sheets (available at www.laticrete.com).

INSTALLATION OF THE LEVELING MORTAR

The leveling mortar used with uberdeK™ should be mixed to a leveling mortar consistency, rather than a conventional dry pack consistency; therefore, mix each 60 lb. (27 kg) bag of LATICRETE® 3701 Fortified Mortar Bed with approximately 0.7 to 0.8 gallons (2.6 to 2.8L) of clean water. Apply leveling mortar so that it is level with the tops of the ribs on the uberdeK. Ensure that the ribs are completely filled with leveling mortar.

INSTALLATION OF WATERPROOFING MEMBRANE

Waterproofing membrane must be installed on top of the leveling mortar. Allow the leveling mortar to cure for a minimum of 72 hours at 70°F (21°C) surface temperatures, prior to installing the waterproofing membrane. Note for areas over living space, a local building code approved roofing membrane must be used as the primary source of waterproofing in place of LATICRETE HYDRO BAN®. LATICRETE HYDRO BAN is not a primary roofing membrane and is not to be used as such. Contact Ubertile Corp. for detailed instruction on roofing membrane use.

INSTALLATION OF TILE OR STONE BY THE THIN BED METHOD

Ubertile Corp. recommends installing porcelain tiles with minimum dimensions of 8" x 8" (200mm x 200mm) and a maximum dimension of 24" x 24" (600mm x 600mm). The thin bed adhesive mortar should 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 large enough to ensure "full bedding" of the tiles is required. Apply only as much thin bed adhesive mortar as can be covered within 10-15 minutes, or while adhesive surface is still wet and tacky. A small quantity of the thin bed adhesive should be applied onto the entire back of each tile using the flat side of the notch trowel. Tiles shall then be set in place and pressed firmly to ensure 100% full bedding and a true surface. Tiles shall be aligned to show uniform joints (depth and width) and then allowed to set until firm. Excess adhesive must be cleaned from the surface of the tilework with a wet cloth or sponge while the adhesive is fresh.

GROUTING

Grout the joints using LATICRETE® SPECTRALOCK® PRO Premium Grout. Joints shall be packed full and free of all voids and pits. 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 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 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. Protect newly installed, latex fortified thin bed mortars and grouts from exposure to rain for a minimum of 7 days at 70°F (21°C)

COLD WEATHER NOTE

The curing of tile installation mortars, adhesives and grouts is retarded by low temperatures and finished work should be protected for an extended period of time.

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