

INSTALLATION OF DEKTON TILE

Surface Preparation

Surfaces must be structurally sound. Remove all grease, oil, dirt, curing compounds, sealers, adhesives or any other contaminant that would prevent a good bond. Glossy or painted surfaces must be sanded or abraded and stripped of all contaminants. Concrete must be cured 28 days and accept water penetration. Concrete must be free of efflorescence and not subject to hydrostatic pressure. Concrete slabs should have a coarse finish to enhance the bond. For questions about proper subfloor installation, call CUSTOM Technical Services.

Smooth concrete surfaces, existing glazed tile, terrazzo or polished stone should be scarified. Expansion joints should never be bridged. The surface must be flat and follow TCNA guidelines for surface tolerance of large format tile (one side greater than 15"). Surfaces must be corrected to a maximum allowable variation of no more than 1/8" in 10' and 1/16" in 2', with an appropriate thick bed mortar or patching material. The use of a self-leveling underlayment, such as Custom's **LevelQuik® RS (Rapid Setting) Self Leveling Underlayment**, is ideal for preparing a floor to meet the required flatness for thin tile.

Installation of Dekton tile

It is important to follow all TCNA recommendations for the installation of porcelain tile. To assure that the tiles do not crack from point load or impact, it is mandatory that the mortar coverage is greater than 80%, with 95% coverage in wet areas. You may want to consider a specialty notched trowel that was designed to maximize the coverage with less effort, such as CUSTOM **SuperiorBilt® Premium Notch Trowel**.

Back buttering of the tile may be necessary to achieve the recommend coverage. Tile should be checked regularly to assure full coverage, with particular attention to the edges and corners. It is vital that all movement joints are be properly placed and filled with the appropriate soft jointing material, such as CUSTOM **Commercial 100% Silicone Caulk**. See the TCNA EJ171 Detail for proper placement and additional information. Mortar installation instructions must be followed for cure time and allowable traffic.

CUSTOM recommends the following mortars for the installation of large format porcelain tile:

- **MegaLite® Ultimate Crack Prevention Large Format Tile Mortar** is eligible for the maximum warranty length. MegaLite is a high-strength bonding mortar with exceptional non-sag characteristics.
- **ProLite® Premium Large Format Tile & Stone Mortar** is ideal for installation on walls. Its non-sag formula will support large tiles without mechanical assistance.

Grouting Dekton tile

It is important to follow tile manufacturer and TCNA guidelines for grout joint width. Joints must be cleared of excessive mortar before it cures. Custom recommends the following grouts with Dekton tile:

- **Fusion Pro® Single Component® Grout** is ready to use, easy to spread and clean, and offers unsurpassed stain resistance.
- **Prism® Color Consistent Grout** is a fast-setting, high-strength cement grout that reduces efflorescence and grout shading for joints greater than 1/16".
- **CEG-Lite™ 100% Solids Commercial Epoxy Grout** produces the strongest joint and is preferred for floor applications. Epoxy grout should be used where stain and chemical resistance is critical.

Custom Building Products offers a full line of tile installation products. Contact CUSTOM's Technical Service Department at **800.282.8786** if you have questions concerning these methods or products.

Dekton is not manufactured or specifically endorsed by CUSTOM. Please see the Dekton website for product and warranty details. Dekton is a registered trademark of Cosentino,

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