



Tile & Stone Installation Systems

Reference guide on MAPEI installation products

A. These recommendations cover the installation of Nurazzo® Terrazzo Tile for interior floors and walls in dry areas and in areas subject to intermittent water exposure.

Nurazzo terrazzo tiles:

1. All Nurazzo Terrazzo Tiles shall be manufactured by Nurazzo Terrazzo, Stone, www.nurazzo.com
2. Installation materials: All installation materials shall be manufactured by
MAPEI Corporation
1144 East Newport Center Drive
Deerfield Beach, FL, 33442
Phone: 1-888-876-2734
Website: www.mapei.com

B. Installation material guidelines for Nurazzo terrazzo tiles

1. Thick-bed mortar: Unbonded mortar bed with wire reinforcing. Mortar bed: MAPEI, *Topcem™ Premix*.
2. Thin-bed mortar: MAPEI, *MAPEI Ultralite® Mortar*, *Kerabond/Keralastic™ System*. Rapid-setting: MAPEI, *Granirapid® System*, *Ultraflex® LFT™ Rapid*.
3. Mortar for large and heavy tile: MAPEI, *MAPEI Ultralite Mortar*, *Kerabond® T / Keralastic® System*. Rapid-setting: MAPEI, *Granirapid System*, *Ultraflex LFT Rapid*.
4. Epoxy thin-bed adhesive: MAPEI, *Kerapoxy® 410*, *Kerapoxy*.

C. Installation material accessories

1. Grout: For color uniformity, stain resistance and durability beyond that of cement grouts, Nurazzo only recommends ANSI A118.3 grouts: MAPEI, *Kerapoxy CQ*. Nurazzo does not recommend grout joints less than 1/8" (3 mm) in width.
2. Waterproofing/crack-isolation membrane: MAPEI, *Mapelastic® AquaDefense*, *Mapelastic Turbo*.

Follow all tile and stone industry standards and guidelines. Design for expansion joints as outlined in the Tile Council of North America's (TCNA) EJ171-24 and the TCNA Handbook for Ceramic Tile Installations. Follow American National Standards Institute (ANSI) Specifications for the Installation of Ceramic Tile.

D. Substrate requirements: Tile Council of North America (TCNA) Statement on Maximum Allowable Deflection

"Floor systems, whether wood framed or concrete, over which the tile will be installed... shall be in conformance with the International Residential Code (IRC) for residential applications, the International Building Code (IBC) for commercial applications, or applicable building codes. The owner should communicate in writing to the project design professional and general contractor the intended use of the tile installation, including in-service loads or information. Project design professional and general contractor must make necessary allowances for the expected live load, concentrated loads, impact loads and dead loads, including maximum allowable loads during construction and maintenance. The tile contractor shall not be responsible for problems resulting from any structural subfloor installation not compliant with applicable building codes, unless structural subfloor was designed and installed by the tile contractor."

E. Surface Preparation

Ensure that the substrate is structurally sound, clean and dry. Prior to installation, the surface shall be protected and free of any potential substance or debris that may reduce or prevent adhesion. Refer to MAPEI's Technical Data Sheets regarding surface preparation and installation requirements. The moisture vapor emission rate (MVER) of concrete and all cement substrates to receive Nurazzo tiles must be ≤ 7.0 lbs. per 1,000 square feet in 24 hours (3.15 kg

per 92.9 m² in 24 hours), when tested per ASTM F1869 or at 75% relative humidity.

For conditions exceeding the recommended MVER or when membrane is being installed, consult the current Technical Data Sheet regarding uses and limitations, or contact MAPEI's Technical Service Department.

F. Adhesive, mortar and grouting installation instructions

Refer to most current written instructions for each individual MAPEI product. Installation instructions are available on packaging and at www.mapei.com.

G. Protection

Provide for dry, heated storage on site and deliver materials at least 24 hours before tilework begins. For at least 21 days after completion, protect the finished tilework from freezing and do not immerse it in water.

Floors: Protect the installation from foot traffic for at least 24 to 48 hours and from general traffic for at least 72 hours after product application. Because temperature and humidity (during and after the tile installation) affect the final curing time, allow for extended periods of curing and protection when temperatures drop below 60°F (16°C) and/or when the relative humidity is higher than 70%.

H. Warranty

MAPEI's Best-BackedSM Warranty Program has been carefully designed to give optimum warranty coverage for each MAPEI product and for product groups used as systems. The program covers MAPEI products listed up to a limited lifetime term.

This reference guide was designed for informational purposes only. For detailed product information on MAPEI products listed, consult individual products' Technical Data Sheets.



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Concrete and heavy construction: 1-888-365-0614

Customer Service
1-800-42-MAPEI (1-800-426-2734)

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