

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

Nurazzo® Terrazzo Tiles:

1. All Nurazzo® Terrazzo Tiles shall be manufactured by: Nurazzo Terrazzo, Stone <http://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; fax 954-246-8805; e-mail, 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, *Ultraflex*™ 3, MAPEI, *Kerabond Keralastic*™ System. Rapid Setting; *Granirapid System*™

3. Mortar for Large Format Tile or Medium Bed Mortar: Rapid Setting; *Granirapid System*™

4. Epoxy Thin-Bed Adhesive
MAPEI, *Kerapoxy*® 410, MAPEI, *Kerapoxy*

C. Installation Material Accessories

1. Grout Options:

- Unsanded: MAPEI, *Keracolor*™ U, joints from 1/16" to 1/8" (1,5 to 3 mm).
Nurazzo requires a minimum 1/8" grout line.
- Sanded: MAPEI, *Keracolor*™ S, sanded, joints from 1/8" to 5/8" (3 to 16 mm).
- Fast-Setting: MAPEI *Ultracolor*® Plus, Sanded joints from 1/16" to 1" (1,5 mm to 2,5 cm).
- Reaction Resin, color uniformity, stain resistance and durability beyond that of cement grouts: MAPEI, *Opticolor*™, MAPEI, *Kerapoxy*

2. Waterproofing / Crack Isolation Membrane
MAPEI, *Mapelastic*™ *AquaDefense*.



Please follow all tile and stone industry standards and guidelines. Design for expansion joints as outlined in the Tile Council of North America's (TCNA) EJ171-11 and the TCNA Handbook for Ceramic Tile Installations. Please follow American National Standards Institute (ANSI) Specifications for the installation of Ceramic Tile.

**D. Substrate Requirements:
Tile Council of North America (TCNA) Statement on Deflection Criteria**

Floor systems, including the framing system and subfloor panels, over which tile will be installed should be in conformance with the IRC [International Residential Code] for residential applications, the IBC [International Building Code] for commercial applications, or applicable building codes.
Note: The owner should communicate in writing to the project design professional and general contractor the "intended use" of the tile installation, in order to enable the project design professional and general contractor to make necessary allowances for the expected live load, concentrated loads, impact loads, and dead loads including the weight of the tile and setting bed. The tile installer shall not be responsible for any floor framing or subfloor installation not compliant with applicable building codes, unless the tile installer or tile contractor designs and installs the floor framing or subfloor.

E. Surface Preparation

Please 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. Please refer to MAPEI Technical Data sheets concerning 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 / 1,000 square feet in 24 hours (3.15 kg / 90 m² in 24 hours), when tested with ASTM F1869 or 75% relative humidity.

For conditions exceeding the recommended MVER, or when membrane is being installed please consult current data sheet for use and limitations or contact MAPEI Technical Service Department.

F. Adhesive, Mortar and Grouting Installation Instructions

Please refer to most current written instructions for each individual MAPEI products. 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 finished tilework from freezing and do not immerse in water. Floors: Protect from foot traffic for at least 24 to 48 hours and from general traffic for at least 72 hours after installation. Because temperature and humidity (during and after the installation of tile) affect the final curing time, allow for extended periods of cure and protection when temperatures drop below 60°F (16°C) and/or when the relative humidity is higher than 70%.

H. Warranty

A MAPEI's Best-Backed™ 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 period of 25 years.

For additional information and to access product data sheets and technical services, please contact MAPEI Technical Services at 1-800-992-6273 or visit www.mapei.com.

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

