



A **NU** DIMENSION IN TERRAZZO TILE

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Nurazzo 2100 Premium Tile Adhesive Specification Sheet

Description

Nurazzo 2100 Premium Tile Adhesive is an acrylic based adhesive specifically formulated for installing Nurazzo Premium Tile. Nurazzo 2100 can be used on all grade levels over concrete and approved wood sub-floors in the absence of excessive moisture emissions and alkalinity (<7 lbs/1000 sq. ft / 24 hrs and a pH of 7.0-9.0). Nurazzo 2100 Premium Tile Adhesive is nonflammable, contains no carcinogens and is non-toxic. Nurazzo 2100 is moisture and alkali resistant and forms a tenacious, permanent bond. Nurazzo 2100 is freeze-thaw stable and this zero VOC adhesive is protected by the CleanGuard® two-stage anti-microbial. CleanGuard® is a specifically formulated broad-spectrum, anti-microbial agent that protects our adhesives and sealers from micro organisms, such as mold or mildew, in both the wet and dry state.

Site Conditions

The building should be completely enclosed. All outside doors and windows should be properly installed with latching mechanisms in place.

Landscaping should be sufficiently completed to direct water away from the building. Gutters and downspouts should be in place.

All concrete, masonry, plastering, drywall, and other wet work should be completed and thoroughly dry prior to beginning the installation. Texturing and paint primer coats should be completed. Where possible the installation of the base molding should not take place until after the flooring has been installed.

Adequate ventilation should be available. The HVAC system for the building should be operational. The flooring should not be exposed to extremes of temperature, humidity or moisture. The installation site should have a consistent temperature of at least 65°F (air and sub-floor) and humidity levels should be between 35-55% for a minimum of 72 hours prior to and following the installation.

Basement and crawl spaces should be dry and adequately ventilated. Sub-floors must be checked for moisture content and emissions using industry accepted methods. Crawl spaces should meet local building codes regarding minimum heights, cross ventilation, and the use of vapor retarders.

Sub-floors must be free from dust, dirt, grease, wax, curing agents, sealers, oil, and any other bond inhibiting substances. The sub-floor should be flat within 1/8" in 6'. Very porous subfloors must be primed with a compatible acrylic primer.

Concrete must be dry with moisture emission rates that do not exceed 7 lbs/1000 sq ft/ 24 hrs as measured by ASTM-I869-04. The concrete surface pH must be 7.0 - 9.0. Before moisture testing begins, the slab must be cured for a minimum of 30 days. Fill low areas with a cementitious leveling compound or latex milk additive latex patch with 3,000 psi compressive strength. Leveling compounds must be tested to ensure they are properly cured within the manufacturer's specified requirements before proceeding with the installation. Mechanical surfaces profiling is the preferred sub-floor preparation method. Mechanically profile the sub-floor to medium-grit sandpaper texture. Sanding or scoring with open paper or a titanium disk is preferred. Remove curing and parting compounds and other surface hardeners and floor coatings according to the manufacturer's instructions. Lightweight or acoustical concrete must be primed with a compatible acrylic primer. *





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For Wood Joist Systems the sub-floor should be structurally sound, free of loose panels or boards, and free of protruding fasteners. Moisture content should be within normal industry standards for the areas average environmental conditions. The pH of the substrate must be 7.0 - 9.0. Underlayment panels should be fastened according to the manufacturer's specifications. All panel seams should be sanded level and prepared according to the manufacturer's instructions. Minimum sub-flooring: 5/8" CDX plywood sub-floor/underlayment (Exposure 1), maximum 16" o.c. construction. Install the flooring perpendicular to the floor joists. Do not install flooring over existing glue-down wood flooring or nailed down wood flooring. Wood plank floors must be covered with an acceptable underlayment. Porous substrates such as OSB, IPB (particleboard) must be primed with a compatible acrylic primer to prevent adhesive loss due to porosity and absorption of the substrate. Check the substrate for porosity.* The adhesive itself may be used to prime the substrate.

Slabs with a radiant heating system are acceptable sub-floors for installing Nurazzo Tile with the following stipulations. The heating system should be fully operational for a minimum of seven days prior to the installation. The system should be shut down to allow the slab to cool down to room temperature before applying adhesive. Immediately after completing the installation turn the system back on and set to normal temperature. The sub-floor cannot exceed 85°F throughout the life of the installation. Check with the system manufacturer to determine that the system is designed for the desired R-rating for resilient flooring. Failure to ensure proper system design can result in excessive heat damage and tile or plank shrinkage.

Follow application and installation procedures provided with the flooring. Regulations may require that existing flooring material or coatings be tested to determine that asbestos content. Refer to the instructions for removal and handling or resilient flooring published by the RFCI, Recommended Work Practices for Removal of Resilient Floor Coverings.

Installation Recommendations:

1. Flooring and adhesive should be acclimated to the proper job site conditions for 24 hours prior to the installation. Refer to the information above for specific information regarding sub-floor preparation and site conditions.
2. Apply the adhesive with the appropriate trowel. Care must be taken to uniformly apply the adhesive to the substrate. Consideration must be given as to the air and substrate temperature, air movement, porosity of the substrate and other site conditions when determining the appropriate application rate, open and cure times. It is the responsibility of the applicator to determine the correct application rate for specific substrates and the necessary open/cure times for the specific site conditions.
3. Trowel the adhesive with the appropriate trowel. Allow the adhesive to dry to the touch. When no adhesive transfers to your finger, the adhesive is ready to accept the flooring.
4. Place the flooring into the adhesive. Roll the newly installed flooring with a 75 lb. three-section roller.
5. It is recommended to minimize traffic over the newly installed flooring for at least 24 hours after the installation has been completed. Do not wash or clean the floor for 72 hours after completion of the installation. To replace furniture and appliances use plywood panels to protect the flooring.





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Specific Technical Data

- A. Base: Acrylic Latex Emulsion
- B. Color: Grey
- C. Recommended Application and Approximate Coverage: 3/32" x 3/32" x 3/32" U-notch trowel
80-100 sq. ft./gal. Substrate texture and porosity greatly affects coverage rate so you may experience coverage greater or lesser than stated.
- D. Clean-Up: Remove wet adhesive with water and mild soap solution. Use non-flammable "safety solvent" to remove dried adhesive. Dried adhesive may be more difficult to remove; therefore, take care to remove adhesive from the surface of the flooring before it dries. DO NOT apply the solvent directly to the flooring material.
- E. Packaging: 4 gallon pails
- F. Shelf-Life: 1 year from date of manufacture in unopened container when stored at 70°F.
- G. Freeze-Thaw Stable to 15°F. Stability and spreadability can be affected if allowed to freeze. Frozen material should be allowed to thaw at room temperature. DO NOT agitate or stir while frozen.

*Determining whether the sub-floor is porous or non-porous is the responsibility of the user. You can check the sub-floor by placing two drops of water in several areas across the sub-floor. The sub-floor is porous if the water is absorbed within a few seconds. If the water beads and is not absorbed within a few seconds, the sub-floor is non-porous.

