



Carpet Tiles

Moisture and Adhesive Installation Requirements



Clean Path Entrance Barrier Tile

General Notes

If you have any questions concerning the proper installation (or use) of any Tarkett products, please contact Tarkett's Installation Services Department at 800-899-8916 ext. 9297.

It is solely the responsibility of the installation contractor to insure that the sub-floor is properly prepared prior to installation.

Moisture & pH: Excessive moisture and/or high pH on any sub-floor, especially concrete, can cause product failure. For Tarkett's ethos modular product, the maximum allowable moisture vapor emission rate (MVER) from the sub-floor is 8.0 pounds, as tested according to ASTM F-1869 "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride". The required pH range is 11.0 or less as tested according to ASTM F-710. The In-Situ/RH (relative humidity) requirement on concrete is not to exceed 85% as tested according to ASTM F-2170 "Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs using *in situ* Probes". When using ethos modular, Tarkett requires that at least 1 MVER and 2 RH tests be performed on the initial 1000 sq. ft. of each project. In addition, a minimum of one test, alternating between MVER and RH, per 1000 sq. ft. is required for the balance of the project. **When In-Situ RH testing has been eliminated from the test protocol, the Maximum Allowable MVER will revert to 3 lbs./24hr/1,000 sq. ft.**

Note that moisture vapor emission testing, relative humidity, and pH testing indicate the moisture level and pH of the

concrete sub-floor at the time of installation. These tests do not provide static results and both moisture and pH can increase over time. Tarkett is not responsible for product failure as a result of changes to sub floor conditions, including increases in moisture or pH levels, post installation. Experience has shown that more accurate and representative MVER, RH and pH testing results can be achieved when the HVAC system is functioning 24/7 for two weeks prior to installation and the indoor air quality has acclimated to occupancy conditions. In cases where the flooring substrate is light weight concrete, or is a Gypsum based leveling compound used as a topcoat over existing concrete, MVER results are not an accurate means of evaluating the conditions of the flooring substrate; therefore, RH will be the only recognized moisture test method.

PH Testing: Preparing the surface of a concrete slab for pH testing requires the following attention to detail. Make sure the concrete surface is adequately cleaned of any adhesives, primers, curing compounds, surface

contaminants, etc. Exercise care not to over clean the surface of the concrete removing the thin layer of carbonation. This can result in higher, non-responsive pH readings. Slightly wet the concrete sub-floor surface with a small amount of distilled water and allow the water to stand for one minute. Apply pH test paper to the wet concrete surface and allow the pH test paper to remain in contact with the wet area for one minute. The pH test paper will change color depending on the pH of the wetted surface and a color scale is provided with the pH test papers for comparison. Note pH test paper commonly supplied in MVER test kits only measures up to a pH of 12 accurately.

Installation of Tarkett products on sub-floor conditions that exceed the specifications and limitations provided in this document will void the applicable limited warranties. Tarkett does not represent or make any express or implied warranties that Tarkett floor covering products will or will not affect, prevent or cure any other moisture or alkalinity-related issues that may arise because of the moisture and alkalinity levels found in the concrete. Tarkett expressly disclaims such express or implied representations or warranties.

Adhesive and Requirements

- For interior applications subjected to normal usage and limited exposure to moisture from any external sources the applicable Tarkett Adhesive for ethos tile is C-TR.
- Primer is not suggested to be used with C-TR Adhesive over new concrete. C-TR is the only approved adhesive for use with Clean Path modular tiles. There are no commercially available substitutes. The adhesive must be ordered with the Clean Path modular tile.**
- C-TR must be troweled on with a 1/16 x 1/16 x 1/16 V notch trowel. If existing adhesive is present it must be removed so that only trace amounts are present before the application of this Tarkett adhesive. **If 90% of the existing adhesive cannot be removed C-56 Primer should be used.**

Visit www.tarkettna.com for the most current installation and maintenance instructions.
Contact Johnsonite at (800)-899-8916 ext. 9297 with any questions.



THE ULTIMATE
FLOORING EXPERIENCE

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