

MILLIKEN MOISTURE PRO 90

High-Moisture Adhesive for Milliken Modular Carpet Tiles

Increased productivity through a safe, simple, innovative adhesive
For use directly over substrates with up to 90% RH and 10 pH

Milliken **Moisture Pro 90** is a durable, low-VOC, water-based adhesive designed for the installation of Milliken modular carpet tiles on slabs with high-moisture and pH. When combined with the benefits of Milliken's Modular Carpet, the innovative, low odor adhesive provides a safe, durable solution for floor surfaces subject to high-moisture content such as new constructions, ground floors, schools and hospitals.

The low odor of Moisture Pro 90 adhesive is ideal for occupied buildings or fast-tracked installations such as schools and nursing homes where indoor air quality is a major concern. Milliken **Moisture Pro 90** is intended for on or above grade installations over concrete substrates with up to 90% in-situ Relative Humidity (RH) as determined per ASTM F2170, and with pH between 8.0-10.0.

ADVANTAGES

- Low odor and exceptional bond to high-moisture sub-floors minimizes downtime.
- Less waiting means less cost.
- Resistant to vinyl plasticizer migration from previous flooring materials—Milliken carpets contain zero plasticizers and utilize AlphaSan® technology to reduce the growth of bacteria, mold and mildew that can cause odors or staining over the life of your carpet.
- Carpet & Rug Institute (CRI) Green Label Plus approved.

INSTALLATION

Spread the adhesive with the appropriate trowel and allow to dry completely for a releasable installation.

TROWEL SIZE AND SPREAD RATE:

- 1/16" x 1/32" x 1/32" U-Notch: 20-30 square yards per gallon

WORKING TIME

Up to 4 hours after drying.

APPLICATION

Substrate preparation, moisture and alkalinity testing must comply with CRI industry standards, and Milliken's installation guidelines. The installation site must be acclimated with HVAC in operation. The floor and room temperature, as well as flooring materials and adhesive, must be maintained at 65°-95° F, and the humidity below 65% for 48 hours prior to, during, and after the testing and installation. Follow Milliken's guidelines for installation for proper adhesive application rate. Adhesive can be applied over both porous and non-porous substrates. Allow the adhesive to dry completely before placing carpet tiles.

Apply **Moisture Pro 90** adhesive only to on-grade or above-grade bare concrete substrates that are sound, smooth, dry and clean and meet acceptable industry standards as defined in ACI Committee 302.1-04R Report. Remove all existing adhesive residues, dirt, dust, paint, curing and sealing compounds and other foreign materials by use of mechanical means only, such as scraping, bead blasting, grinding or sanding. Be sure to follow all local, state and federal regulations for mechanical removal. Adhesive cannot be used over substrates that have been chemically cleaned or concrete treated with silicates. Other suitable substrates in the absence of high moisture and alkalinity include steel, terrazzo, and APA approved plywood.

TRAFFIC

Follow Milliken's installation guidelines. Properly installed full-spread installations can begin receiving foot and rolling traffic immediately. Exposed edges should be protected when rolling heavy loads such as pallets of carpet across installed portion. Plywood or Masonite should be positioned on carpet when heavy furniture or supplies are moved across jobs.

SHELF LIFE

2 years from manufacturing date in an unopened container. Protect from freezing.

This adhesive is not photochemically reactive as defined by California Rules 102 and 443. VOC content is below that established by the California SCAQMD Rule 1168.

DISCLAIMER

Users should determine the suitability of this information or product for their own particular purpose or application. Manufacturer is not responsible for the misuse of this product. This Technical Data sheet and the information conveyed herein supersede all previous versions.

Moisture Pro 90 adhesive is not substrate sealer and does not form a protective barrier, and is only warranted to maintain adhesive bond when used over concrete substrates within the specified restrictions on in-situ RH (per ASTM F2170), and pH readings. In the event of any installation warranty claim, Milliken reserves the right to perform other testing as deemed necessary to determine the causes. Warranties for defective or dimensionally unstable floor covering, substrate and underlayment lie with the manufacturer of those products and not with the manufacturer. Warranty covers only the adhesive bond and does not include responsibility for effects on the applied floor coverings due to exposure to conditions for which they were not designed. Refer to current **Moisture Pro 90** Warranties for complete information.

Due to the many additives being used in or on concrete slabs, it is critical that a bond test be performed. Some treatments will repel any sealer or adhesive. If usage instructions are not completely followed, DO NOT USE THIS PRODUCT.