



Specification Sheet
Milliken Moisture Extreme
Modular Carpet Pressure Sensitive Spray Adhesive
(22 oz. aerosol can)

Milliken Moisture Extreme Spray Adhesive is a durable, zero-VOC, water-based acrylic blend adhesive designed for the installation of Milliken modular cushion backed carpet tiles on concrete slabs with high moisture concerns. This formulation meets or exceeds all CRI “Green Label” requirements. While providing a high degree of tack and resistance to lateral movement, it will also allow removal of the carpet squares to facilitate access to electrical lines, telephone lines, etc. as well as allowing for the replacement of worn, damaged or stained modular carpet tiles.

PRODUCT DESCRIPTION

Packaging	6 x 22oz. aerosol spray cans per case
Base	Water-based acrylic blend
Color	Wet: Milky White Dry: Frost bubbles
Resistance to moisture	Excellent - No Visible moisture on surface
Consistency	Aerosol spray
Solvent	Water
Odor	Sweet mild odor
Flammability	Non-flammable
Storage	Adhesive and carpet modules must be stored between 40°F and 100°F (4°C and 38°C)
On Site	Carpet, adhesive and area must be conditioned to between 60°F and 90°F (15°C and 32°C) 24 hours prior to, during and after installation.
Freeze-thaw	Protect from freezing.
Shelf Life	Three year stored in original container tightly sealed
Set-Up Time	Once adhesive is dry to touch (10 – 20 minutes)
Open Time	4 hours
Bonding Duration	Indefinite when kept clean
Clean-up from Carpet	Water when still wet – safety solvent when dry

FLOOR PREPARATION GUIDELINES

ALWAYS REFER TO AND FOLLOW THE INSTALLATION INSTRUCTIONS PROVIDED WITH THE CARPET IF THERE ARE QUESTIONS.

No guarantee or warranty, either expressed or implied, is to be inferred from the information presented in this literature.

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NOTE: The following are guidelines. Financial responsibility for bringing any floor into conformance with these guidelines must be determined prior to beginning work. The installation contractor cannot be held responsible for structural problems with the subfloor.

- Floor preparation in accordance with ASTM F710-11 unless specifically allowed per this document.
- All topical membrane forming concrete curing compounds must be removed prior to application of adhesive.
- Concrete subfloor must be structurally sound, clean, dust free, smooth, trowel finish (not burnished) and level. Cracks and holes in excess of 1/8" (3.2mm) should be filled with a Portland Cement based floor patching material such as W.W. Henry 547 Unipro™, DAP "Webcrete 98", Maipei "PlaniPatch", Ardex "Featherfinish" or similar. Gypsum based compounds are not recommended.
- Milliken modular carpet backings are non-reactive and contain no P.V.C. or plasticizers. This greatly simplifies the floor preparation process. All Milliken Modular carpets carry the "Lifetime Floor Compatibility" warranty. Milliken is not responsible for subfloor conditions. The installer has the responsibility for obtaining a successful installation.
- No chemical incompatibility exists between Milliken modular carpet or Milliken Modular Carpet Adhesive and any existing floor covering adhesive. This includes "cutback", asphalt emulsion, general-purpose adhesive, epoxy and any other commonly found flooring adhesives. To assure good adhesive bond, existing adhesive must be removed to a stain.
- The only physical requirement for existing adhesive films is that they be scraped clean, dry and dust free. If additional smoothing is required and residual adhesive is black (cutback or asphalt emulsion) smoothing **must** be accomplished by applying a very thin layer of one of the above patching compounds.
- NEVER scrape, sand or mechanically abrade any exposed black adhesive or any existing resilient floor. These may contain asbestos.
- If residual adhesive is **not** black, scrape or sand until smooth and non-tacky as required.
- Protruding objects must be removed. Floor must be flat (not undulating) to within 1/4" in 12' (6.4mm across 3.66m) with no abrupt changes.
- Sealing or other post treatment of concrete floors is at the discretion of the installation contractor. In general, properly cured (90 days minimum) steel trowel finished concrete requires no additional treatment. Excessively porous or dusty concrete slabs are the only exceptions. Please call Milliken Technical Services if you have questions. Durabond D250 is a recommended product should this type of treatment be deemed necessary; however, any non-silicone based sealer will work acceptably with non-PVC backings. This treatment is NOT intended to be a corrective for out of specification water vapor transmission levels.
- When working with a Gyp-Crete or Gypsum subfloor, Milliken recommends sealing with a gypsum floor sealer prior to installation. Failure to do so will result in an unacceptable installation. Gyplock Sealer by Cornerstone Coatings International Inc. is a suitable sealer.
- Carpet should be stored between 40°F and 100°F (4°C to 38°C) and must be conditioned to between 60°F and 90°F (15°C and 32°C) prior to and during installation.
- Floor temperature should be 60°F (15°C) minimum for proper adhesive curing and performance.

NOTE: If your subfloor is contaminated with an oily residue either from removal of "cutback" during asbestos abatement or from a previous end use such as metal fabrication, this residue **MUST** be totally removed or covered prior to applying modular adhesive and carpet. In addition, if residual adhesive – either "cutback" or general purpose has been damaged/reactivated by previously installed PVC-backed carpet, call Milliken Technical Services for guidance. **The "Lifetime Floor Compatibility" warranty does NOT apply in these situations.**

APPLICATION:

Apply in accordance with Milliken's Modular Carpet installation instructions printed on each box or pallet of the modular product being used when:

- New Pour:
 - 1. It is a new pour > 45 days
 - 2. Slab is on or above grade.
 - 3. No visible water on the surface.
 - 4. ASTM E-1745 Class B minimum conforming Vapor Retarder is in place in accordance with ACI 302-2001 and directly in contact with the concrete placement.
 - 5. Bond test required with archived photo documentation.
- Renovation – On Grade:
 - 1. There is no visible moisture on the surface.
 - 2. Existing adhesive to be removed to a stain.
 - 3. Bond test is required with archived photo documentation.

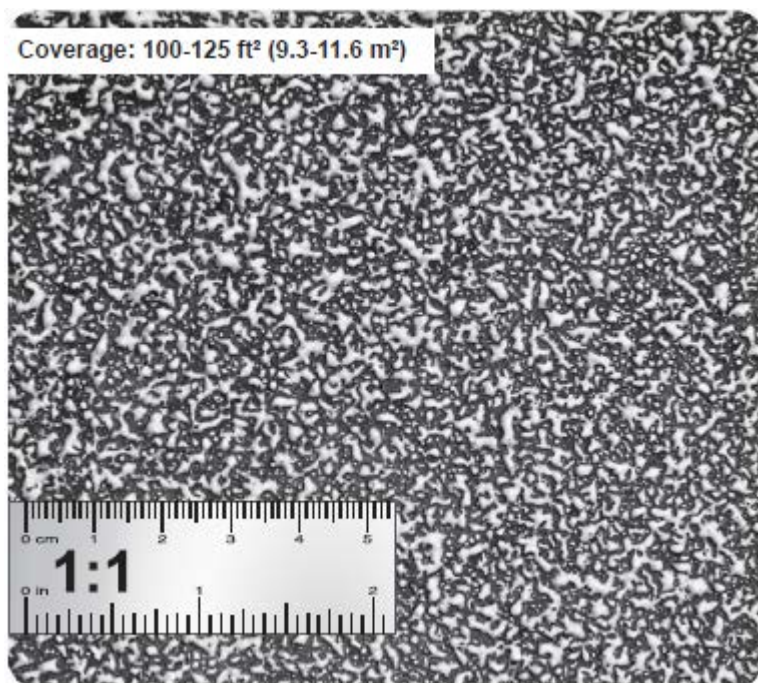
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Milliken Modular Carpet installation instructions are also available on line: <http://www.millikencarpet.com>

COVERAGE RATES:

- Comfort Plus® and Underscore™ cushionback full spread for all tile sizes: 100 – 125 sq ft / 22oz. aerosol spray can. (9.3 to 11.6 sq. m./can).



NOTE: THE ONLY RECOMMENDED ADHESIVES ARE *MILLIKEN MODULAR CARPET ADHESIVES*. USE OF OTHER ADHESIVES SHIFTS ALL INSTALLATION AND ADHESIVE LINKED LIABILITY TO THE ENTITY RESPONSIBLE FOR THE USE OF THE NON-APPROVED PRODUCT. WARRANTIES ON CARPET ARE NOT AFFECTED BY ADHESIVE CHOICE UNLESS THE ADHESIVE CAN BE SHOWN TO HAVE CAUSED DAMAGE. MILLIKEN MOISTURE EXTREME IS APPLIED AS AN AEREOSOL SPRAY.

ALL MODULAR CARPET ADHESIVE, REGARDLESS OF APPLICATION METHOD, OR USE ENVIRONMENT MUST BE ALLOWED TO DRY COMPLETELY BEFORE INSTALLING CARPET. FAILURE TO DO SO WILL MAKE REMOVAL, REPLACEMENT AND ROTATION OF THE MODULES VERY DIFFICULT.

MULTIPLE CLEANINGS MAY BE REQUIRED TO EFFECTIVELY REMOVE DRIED ADHESIVE FROM THE FACE OF THE CARPET.

IN SOME CASES WHERE THE ADHESIVE HAS BECOME IMBEDDED IN THE FIBER, IT MAY BE NECESSARY TO REPLACE THE TILE IN QUESTION.

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