

INSTALLATION PROCEDURES FOR MANNINGTON'S CLEAR TAC PRESSURE SENSITIVE TAPE SYSTEM

Mannington's Clear Tac Tape system is intended for normal commercial foot traffic, not heavy rolling traffic where heavy equipment is moved frequently. Normal rolling traffic such as wheel chairs, mail carts, etc. will not affect this type of installation. If heavy equipment movement is anticipated extra tape reinforcement may be used. Contact our Technical Services Department for specific instructions for suitability of this system in these cases.

SITE AND MODULAR MATERIAL CONDITIONING

Floor temperatures must be a minimum of 65° for 48 hours prior to installation. Floor temperature can usually vary 5-10° lower than room temperature. Carpet tile must be conditioned to room temperature for 24 hours prior to installation. Relative humidity must be between 12% - 65% maximum for 24 hours prior to installation. These conditions must also be maintained for 48 hours after completion of installation.

SURFACE PREPARATION

Dust, dirt, debris, and noncompatible adhesive must be removed before installation begins. If dust can not be controlled prime the floor using a latex primer. Surfaces must be smooth and level with all holes and cracks filled with a latex based Portland cement patching compound.

SUBFLOORS

New Concrete – New concrete must be fully cured, cleaned and dry. It shall be free of curing or parting agents that interfere with bonding of the tape.

A Calcium Chloride test should be performed on the concrete to detect the presence of moisture. Acceptable results require that moisture content does not exceed 3 pounds per 1,000 square feet per 24 hours or 75% RH. One Calcium Chloride test should be performed for every 300 yards of carpet to be installed.

It is necessary to prevent tape adhesive breakdown problems due to excessive alkali. A pH range of 5-9 is satisfactory but pH higher than 9 require corrective measures. The pH on the surface of the concrete can be determined by slightly wetting the floor and apply pH test paper.

Old Concrete – Old concrete should be checked for moisture. Dry, dusty, porous floors must be sealed. Old adhesive must be compatible with new tape or removed. Solvent based or cut back adhesive must be completely removed.

Wood – Wood floors must be smooth and level. If floor is uneven, an approved underlayment may be required. Old finishes must be tested for compatibility with tape or removed. Oil contaminated floor must be covered with a suitable subfloor such as plywood or structure board. Sanded and new floors shall be coated with compatible sealer to provide a good surface for proper tape bonding.

SUBFLOOR SEALER / PRIMER

Latex sealers/primers must be used on wood and concrete floors, if dusty, to provide a good bonding surface for tape. **Mannington warranties are void if sealers/primers are not used.** Liquid latex can be applied only at perimeter wall and tape lines if total coverage is not needed.

Terrazzo / Marble – Level all grout lines with a latex based Portland cement patching compound. Glossy surfaces must be sanded for proper adhesive bond.

Hard Surfaces – Vinyl composition tiles (VCT) must be well secured to the floor or removed. Broken, damaged, or loose tiles must be replaced or patched. Do not install composite backings over cut back adhesives (see removal of cut back adhesives.) Remove all old wax and polish.

Note: Do not remove vinyl asbestos tiles (VAT). This must be accomplished by a certified technician. If removal is necessary follow the Recommended Work practices for Removal of Resilient Floor Coverings. These brochures are available thru the Resilient Floor Covering Institute at 301-340-8580.

OLD ADHESIVES

Old adhesives must be compatible with Clear Tac tape or removed. Most latex based multi-purpose adhesives as well as pressure sensitive adhesives will be compatible with new tape, however bond tests should be done. Adhere one foot squares of Mannington's modular backing at several locations, seal edges with duct tape and check after 3-7 days for any adhesive reaction / greasy, gummy feeling.

CUT BACK ADHESIVE

Mannington does not recommend the installation of our products directly over pre-existing cut-back adhesives without carefully removing and/or coating the floor with an appropriate underlayment.

Since some cut-back adhesives contain asbestos, it must be assumed that pre-existing cut-back adhesive does contain asbestos until analysis affirmatively indicates otherwise. The removal of asbestos containing materials requires special training and techniques. Therefore, removal must not be attempted by persons without the specific skills required to safely remove asbestos containing materials

Cut back adhesive can also be covered with a Portland cement based underlayment. Trowel underlayment using a ¼ x ¼ square notch trowel, then back trowel with smooth edge finish, let dry overnight.

TAPE STORAGE

Do not store tape in temperatures above 90° F and below 40° F. Tape can be stored at lower temperatures than 40° F but must be allowed to acclimate to room temperature before using. Storing tape at temperatures above 90° F may damage tape making it unsuitable for use.

TAPE APPLICATION

Measure and mark location of modular joints every 2 feet for 2' x 2' modules or 18 inches for 18" x 18" modules. Use a chalk line to snap a line every 2 feet either in the north / south or east / west direction. **Severe traffic or heavy rolling traffic will require tape placement in both directions.** Center Clear Tac tape on chalk line which will leave 1 ½ inches of tape on both side of the lines, also place tape around perimeter walls. Peel releasable paper from tape as needed to position modules into place, tiles should now be centered on the tape on two sides. Continue installation as normal, procedures are the same as if adhesives had been used.

TAPE COVERAGE

Mannington's Clear Tac pressure sensitive tape is 3 inches wide and 108 feet in length per roll. Coverage varies from job to job but as a general guide, approximately 20 square yards of modular backing can be installed per roll.

FINISHED INSTALLATION

Carpet may be walked on immediately. Use plywood runner to protect carpet when moving heavy furniture. **Chair Pads** are recommended for use under chairs with roller casters. Casters may consist of either single or dual wheels. Caster diameters should range from 2 – 3 inches and have a minimum width of ¼ inch for dual casters and 5/8 inch for single casters. If chair pads are not used, frequent maintenance will be required in these areas. **Remember:** Subfloor must be dust free and dry. Dusty or wet floors will result in release of the tape.

The procedures listed above are our best recommendations for installing with Mannington Clear Tac Tape. This document and other literature are available upon request. If you have further questions or require additional information, please contact our Technical Services Department at 800-241-2262 Ext. 3.

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MANNINGTON COMMERCIAL

CLEAR TAC PRESSURE SENSITIVE TAPE SPECIFICATIONS (For Installation of Mannington's Infinity Modular and Infinity RE Modular Backings)

CONSTRUCTION:

Liner:	Silicone-coated densified kraft
Carrier:	3.0 mil polypropylene
Adhesive:	Acrylic, pressure sensitive

SPECIFICATIONS:

Adhesion to Steel:	160 oz/in width
Adhesion to Interliner:	6 oz/in width
Tape Thickness:	9 mils
Liner Thickness:	4 mils
Overall Thickness:	13 mils
Width:	3 inches
Roll Length;	108 feet
Coverage:	20 sq. yd. per roll
SAP Order Code:	33194

ADVANTAGES:

1. Glue less Installation
2. Low V.O.C – Environmentally Friendly
3. High Tac
4. Quick Stick – No flash off time
5. Releasable
6. Adheres to a variety of surfaces including V.A.T.
7. Good operating temperature range
8. Conforms well to irregular surfaces.

**specifications are subject to nominal manufacturing variances

**specifications are subject to change without notice when shortages occur or when technological advances provide improved product performance.

Adhesive Free Installation

To answer the requests for an “adhesive free” installation where there is a need for no “wet” adhesives, Mannington Commercial has the ClearTac Tape System.

A few facts:

- ClearTac Tape System is intended for use with Infinity Modular, and Infinity RE modular backings.
- ClearTac is an acrylic pressure sensitive tape.
- ClearTac can be used:
 - Where “wet” adhesives are not approved
 - Temporary installations
 - Where existing flooring needs to be adhesive free for future reuse
 - And, do it yourself projects
- Installation
 - A clean, dust free, dry sub-floor
 - The tape must contact with two of the four module sides to assure tiles do not shift under heavy traffic
 - No mess, no solvent or water clean up required
 - Low odor and low VOC
- Specifications
 - 3 inches wide
 - 108 feet per roll
 - A roll covers approximately 20 square yards