

INSTALLATION PROCEDURES FOR MANNINGTON'S INTEGRA HP RE BACKING – INTEGRA ADHESIVE

OVERVIEW

MANNINGTON has developed and tested installation procedures for all products that we manufacture. Our procedures are documented throughout this bulletin and other literature that is available upon request. These installation techniques have been developed in conjunction with CRI #104, only expanding on techniques and procedures, which may be vague. We are confident the procedures documented will provide excellent results; therefore, they should be thoroughly followed by the installation contractor.

INSPECTION

- MANNINGTON requires that the carpet be inspected prior to installation for proper style, color and potential defects.
- MANNINGTON'S claims policy views installation of the carpet as acceptance of the merchandise and limits the type of claims that can be honored on installed carpet.
- Layout all carpet and allow to acclimate prior to adhering to the floor.
- Rolls should be installed by roll numbers in consecutive order. For patterned carpet install rolls by pattern size not by roll numbers. Do not mix dye lots.
- The carpet is to acclimate to at least 70° Fahrenheit for 24 hours prior to installation with relative humidity of 12-65%. These conditions must be maintained throughout the installation and for 72 hours after the installation has been completed.
- MANNINGTON carpets are to be installed by professional installers who have the training, skills and tools to properly install technically advanced commercial carpets.

FLOOR PREPARATION

- MANNINGTON cannot be responsible for claims regarding sub-floor conditions.
- Floors must be cured, dry and clear of any foreign debris. Cracks should be filled with a latex based, portland cement patching compound.
- Slab temperature must be at least 65° Fahrenheit.
- 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 5 lbs. per 1,000 square feet per 24 hours. One calcium chloride test should be performed for every 300 yards of carpet. INTEGRA adhesive must be used for the 5 lb. warranty. **The 5 lb. moisture warranty is only for bare concrete slabs that do not have pre-existing adhesives, or curing agents that may be affected by the 5 pound moisture emission rate.**
- Mannington will also accept the Relative Humidity ASTM-F-2170 test method. Acceptable moisture levels are 78% maximum relative humidity.
- Alkalinity tests must also be performed. pH should register between 5 and 9. If pH exceeds 9, wash floor with one part muratic acid or vinegar and 10 parts water. Rinse twice and re-test after 24 hours.
- Please note that calcium chloride and alkalinity tests state only the condition of the floor at the time of the test. Test results are not indicative, nor do they predict, how environmental conditions may impact moisture or alkalinity in the future.
- All tests should be documented and results saved.

EXISTING ADHESIVES

- Mannington's Integra HP RE backing can be installed directly over one layer of pre-existing latex multipurpose or acrylic pressure sensitive adhesives that are well bonded to the sub floor. If adhesive is dried out and crystallized or not fully bonded to the sub floor it must be removed or covered. **The 5 lb. moisture warranty is only for bare concrete slabs that do not have pre-existing adhesive or curing agents that may be affected by the 5 pound moisture emission rate.**
- Multiple layers of pre-existing adhesive must be removed or covered with latex based Portland cement or sealed with an approved adhesive sealer.
- Cut Back adhesive must be removed or covered with an appropriate cementitious skim coat.

SEAL THE FLOOR / OLD ADHESIVES

- Existing cut back, or multiple layers of adhesives must be sealed or covered. ENcapSeal or a latex based portland cement can be used as a sealer between the old and new adhesive. If in doubt about the compatibility of existing adhesive always seal the floor. To obtain ENcapSeal call APAC at 800-747-2722.
- Integra HP RE Back can be installed over many existing floors if they are securely bonded to the substrate. Contact MANNINGTON's Technical Services Department if you have questions concerning pre-existing floors.

SEAM TRIMMING

- Measure areas to be carpeted, make cuts and dry fit cuts into place. Overlap the carpet 3 inches at seams and 1 inch at walls.
- Seams are the by cut via the double cut method with National Equipment's #575 commercial "glass" seam cutter.
- Patterned carpets or carpets that have a color line up at seams will need to be row cut instead of the double cut method.
 - * The cutter is specifically designed to row cut the top breadth of carpet, while simultaneously trace cutting the lower breadth.
 - * Simply run a screwdriver down the length of the top breadth of carpet to open a row, adjust the blade to the proper gauge, align the cutter and cut the seam.
 - * The #575 seam cutter will produce net fitting seams without gaps or fullness.
 - * Seams are to be dry cut. Wet cutting of seams will produce a weak bond and possible seam failure.
 - * Mannington will not be responsible for any seam not trimmed with a #575 Commercial Seam Cutter!
 - * Mannington's Integra HP RE Backing will not accept fullness, seams must be cut net fit.
 - * To obtain a #575 cutter, call 800-245-0267 for a distributor nearest you.

CROSS SEAMS

After trimming cross seams may develop a slight upcurl at the edges. This condition can easily be corrected by hand back curling the edges before placing into adhesives. This will eliminate peaked cross seams.

ADHESIVES

Mannington's **INTEGRA** vinyl compatible adhesive **must** be used when installing Integra HP RE Backing.

- Do not use this adhesive with latex or polyurethane backed carpets, sheet vinyl, VCT, etc.
- **INTEGRA** is an acrylic adhesive and as such will not develop sticky legs like a multi purpose adhesive.

ADHESIVE SPREAD

- After edges have been trimmed, carefully fold back seams one-half of their width, exposing sub-floor.
- Apply Mannington's INTEGRA adhesive with a minimum 1/16" x 1/16" x 1/16" square notched trowel. The spread rate should be approximately 15 yards of carpet per gallon of adhesive for smooth floors. Coverage will be less per gallon over rough subfloors.
- The adhesive is designed to be a wet set for most subfloors. Temperature and humidity will affect the set up time. Do not allow adhesive to skin over before installing carpet. Adhesive must transfer to carpet backing.
- INTEGRA adhesive does not develop a sticky tack, when working with pattern carpets it may be necessary to use stay nails until the adhesive sets.
- Lay one breadth of the carpet into the adhesive and roll out air bubbles using a 35- 75 pound roller.
- Seal seam edge by applying a 1/8" bead of MT-800 seam sealer. Use caution not to over apply seam sealer.
- Place opposite breadth into position and work seam with slight compression ensuring seam sealer transfer.
- Roll opposite breadth forcing air pockets out away from the seam.
- Clean away excess adhesive that has wicked up through seam using Mannington's MT-900 Seam Cleaner.
- Continue these techniques throughout remainder of installation.

SEAM SEALER

- Mannington's seam sealer MT-800 must be used on Integra HP Backing seams. The instructions are as follows:
- Fill applicator bottle with seam sealer.
- Adjust nozzle to control flow. A bead of sealer approximately 1/8" thick, equal to the thickness of the backing, should be laid along the edge of the backing.
- Coverage for MT-800 is approximately 500 lineal feet per pint.
- Under slight compression, fit and smooth out complete joint. This complete operation must be performed in 10 minutes before the sealer dries out.
- Dampen a clean white, absorbent cotton cloth with MANNINGTON'S seam cleaner MT-900 and gently rub the seam where sealer has surfaced to the carpet pile. Do not pour seam cleaner directly on the carpet. This step acts as final inspection to ensure that the seam is proper and tight.
- If sealer thickens add small amount of cleaner and stir until "honey" consistency returns.

STAIRS / STEPS

- Integra HP RE Back can be used for most stairs by cutting separate pieces for step and riser and using a stair nosing at the edge.
- Integra HP RE Back can be rolled over the nose of certain types of steps that do not have a sharp edge. Integra HP RE Backing must be pre-creased before applying contact adhesive to both the step and the HP backing.
- Integra HP RE backing will not form a tight bend, and should not be used for contoured seating or steps.

TIPS

- Long drops will require extra manpower to avoid shifting the carpet when folding back.
- When trimming walls, note that Integra HP Backings do not accept fullness. It is recommended that walls are trimmed net fit or slightly under net with the use of a wall trimmer.
- Placing slight back curl on cross seam edges prior to placing carpet into adhesive will help to minimize seam peaking.
- Use blowers to expedite tack times, especially in times of high humidity.
- Minimize foot traffic for 24 hours and no rolling traffic for 72 hours.
- Carpet may be walked on immediately. Use plywood runner to protect carpet when moving heavy furniture.
- Chair pads are not required but recommended under chairs for appearance retention.

The procedures listed above are our best recommendation for installing Integra HP Backing. 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.

IntegraHPREInst -790/ kp-db / 8-28-08 adhesive name 2-5-10