

INSTALLATION PROCEDURES FOR MANNINGTON'S INTEGRA HP RE BACKING with M-Guard 798

OVERVIEW

Mannington's M-Guard 798 is a very high solids ultra premium commercial carpet adhesive developed to be used with Mannington's Integra HP RE backing **only**. M-Guard 798 adhesive can be used on concrete slabs that have up to 8 pounds of moisture vapor emission as tested by the calcium chloride ASTM-F-1869 test method. **NOTE:** M-Guard 798 should not be used on concrete slabs where hydrostatic pressure exist.

INSPECTION

- MANNINGTON requires 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 65° 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 beyond our control.
- 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 8 lbs. per 1,000 square feet per 24 hours. One calcium chloride test should be performed for every 300 yards of carpet. M-Guard 798 adhesive must be used for the 8 pound warranty.
- Calcium Chloride testing must be done according to the procedures outlined by ASTM-F-1869 for bond warranty to be valid.
- Mannington will also accept the Relative Humidity ASTM-F-2170 test method, acceptable moisture levels are 85% maximum RH.
- M-Guard 798 should not be used on concrete slabs that do not have a vapor retardant membrane properly placed above the sand layer and next to the concrete.
- Vapor retardant membrane must be intact, not punctured, and of adequate design and thickness to control moisture under the slab.
- Alkalinity tests must also be performed. pH should register between 5 and 10. If pH exceeds 10 contact Technical Services at 800-241-2262 Ext. 3.
- 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.

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 to be 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 **M-Guard 798** vinyl compatible adhesive **must** be used when installing Integra HP RE Backing with concrete slabs that have up to 8 lb. vapor emissions.

- **Do not use this adhesive with latex or polyurethane backed carpets, sheet vinyl, VCT, etc.**
- M-Guard 798 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 M-Guard 798 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.
- 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.
- M-Guard-798 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 MT-800 seam sealer that has wicked up through seam using Mannington's MT-900 Seam Cleaner.
- Clean up excessive M-Guard 798 adhesive while wet using soap and water.
- Continue these techniques throughout remainder of installation.

For maximum bond strength, lay the carpeting into the wet adhesive immediately. To achieve maximum transfer of the adhesive to the carpet backing, roll the installation with a 35-75 pound roller.

NOTE: M-Guard 798 will take extended dry times when used over wet slabs but should not affect the installation. M-Guard 798 will dry and develop strong bond but may take 24-48 hours to fully set.

SEAM SEALER

- Mannington's seam sealer MT-800 must be used on Integra HP RE 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.

STAIRS / STEPS

- Integra HP RE Back can be used for most stairs by cutting 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 Backing must be pre-creased before applying contact adhesive to both the step and the HP backing.

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.
- 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 RE Backing with M-Guard 798. 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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