



The Mohawk Group

Installation Guidelines for

Uniplus System II “Double Stick”

Unibond RE
Wet Set



The Mohawk Group
1975 West Oak Circle
Marietta, GA 30062
800-554-6637
www.themohawkgroup.com

Field Services Department
405 Virgil Drive
Dalton, GA 30721
800-833-6954



The Mohawk Group

KARASTAN

LEES

Bigelow



DURKAN

Carpet Installation Check off List

1. Newly poured concrete floors generally will take 90 to 120 days to cure. Moisture should not exceed five pounds/1000sf per 24 hours as determined by a calcium chloride test per ASTM F1869, or 80% relative humidity per ASTM F2170. If the results are more than 5 lbs or higher than 80%, do not proceed with the installation. Contact Field Services at 800-833-6954. Gypcrete or substrates with excessive dust must be cleaned, and then primed with The Mohawk Group’s (TMG’s) PrimeCoat or an approved primer, such as a latex milk additive.
2. The alkalinity or pH in a concrete slab should be between 5 and 9 for a glue-down installation. When pH is between 9-12 and moisture is below 5 lbs or 80% then PrimeCoat can be used to block pH. Should the pH be outside this range, stop and do not proceed with the installation. Contact Field Services at 800-833-6954.
3. The floor and room temperature must be acclimated by maintaining the temperature at 65°F and 95°F, and the humidity between 10% and 65%, for at least 48 hours before, during, and 72 hours after installation. In addition, the carpet, adhesive and seam sealer should be stored under these conditions for at least 24 hours before installation. The installation site must be acclimated with HVAC in operation.
4. Old adhesive must be properly removed prior to any installation of TMG’s branded carpet. When cut-back adhesive is present or existing adhesive has indications of plasticization or PVC backed products are being installed then SureSeal must be applied after the old adhesive has been properly removed. See note #1.
5. Mechanically remove all wax, dirt, grease and paint. DO NOT use solvents to clean the floor. DO NOT use oil based sweeping compound. Fill cracks more than 1/16-inch wide with a Portland or cement based patching compound. The floor must be flat to within 1/8” in 10 feet. Use leveling compound when required. Patched areas may need to be primed (Consult patch manufacture for requirements) with PrimeCoat or an approved primer. DO NOT install over resin or silicate based curing compound.
6. Carpet should only be bent when absolutely necessary for transporting purposes only and must be unrolled immediately. Carpet should be rolled out and allowed to relax for at least 24 hours prior to installation.
7. Never cut carpet over carpet, as this can result in over penetration of the blade and cutting loops on the lower carpet. Never install broadloom carpet over carpet.
8. Carpet should be protected from heavy traffic and construction dust with a non-staining building material paper. Never use plastic sheeting as it will trap moisture and prevent proper curing of the adhesive. Plastic may also leave residues that can result in rapid soiling after removal.
9. Furniture placement and heavy traffic should be avoided for at least 24 hours after a direct glue-down or double glue installation. Furniture and heavy equipment concentrated pressure, and movement over unprotected carpet can cause adhesive breakdown. This can result in buckling and/or wrinkling. It is strongly recommended that plywood or masonite boards be placed over the carpet during the move-in phase to spread the concentrated weight of furniture and heavy equipment.

Please Note

1. Asbestos-containing floor tiles, any adhesive possibly containing asbestos, or other asbestos-containing floor coverings require special preparation, handling, and removal procedures. Consult the appropriate local or state authorities or the Resilient Floor Covering Institute before disturbing any suspected asbestos-containing material.
2. UPS Bloc, HPS Bloc, Unibond and Weldlok cannot be installed using the tackless/stretch-in method. Attached cushions can only be installed by the direct glue method.
3. Installation of The Mohawk Group’s branded Carpet and Carpet Tile on a floor outside the scope of the guidelines in this document will void all applicable warranties.

4. The Mohawk Group is not responsible for any product failure due to improper floor preparation and/or installation procedures. The required adhesives are TMG's family of adhesives.

Required Equipment

The following items may be purchased from a local carpet workroom supplier.

- TMG EnPress PSA Adhesive
- 1/8" x 1/8" x 1/16" U-Notch Trowel
- Natural Fiber Push Brooms
- Steel Nails
- Steamer(Wagner Power Steamer, Jiffy Steamer or Crain 935)
- Lees Wet Set Adhesive
- 1/16"x1/16"x1/16" square notched trowel
- Razor Blade Knife
- Loop Pile Cutter

Recommended Adhesives

TMG Enpress Pressure Sensitive Adhesive is recommended to adhere the pad to the subfloor. The approximate spread rate is 16-22 square yards per gallon.

Lees Wet Set Adhesive is recommended to adhere the carpet to the pad. The approximate spread rate is 6 - 7 yards per gallon. It is the installer's responsibility to determine the exact spread rate for a particular installation.

On Installation Day

Review roll/pattern sequence before installation. Make every effort to install all rolls in sequence as indicated on the cutting ticket or, if the carpet is a patterned good, according to the sequence outlined in the pattern sequence report. Never indiscriminately mix dye lots.

Check the porosity of the floor. A major factor in the drying rate of the adhesive is the type of floor. To check porosity, pour a cup of water on the floor. If the water beads on the surface, the floor is non-absorbent. However, if the water is absorbed rapidly, the floor is very porous.

The recommended application method for the TMG Enpress Pressure Sensitive Adhesive is a 1/16"x1/16"x1/16" square notched trowel. The spread rate of the adhesive is 16-22 yards per gallon. The amount of adhesive applied to the sub-floor is important.

The recommended trowel size for application of the WetSet Adhesive is 1/8" x 1/8" x 1/16" U-notch trowel. The most common reason for the failure of an installation is that the wrong trowel size was used. Keep the trowel clean and re-notch every 300 yards.

The coverage of the WetSet adhesive can vary. The approximate spread rate is about 6 - 7 yards per gallon. It is the installer's responsibility to determine the exact spread rate for a particular installation.

The Unibond backing is sensitive to heat and cold. For this reason, do not cut Unibond outside unless absolutely necessary. Laying Unibond on a hot parking lot to cut then bringing into an air conditioned area will set creases in the backing.

Non-porous floors – Floors of vinyl, steel, etc. absorb little of the moisture in adhesive. The moisture must evaporate before the adhesive can cure.

Porous floors – Concrete or wood floors that can absorb an excessive amount of the adhesive's moisture and cause it to dry too rapidly.

Please Note: If the carpet must be cut outside, allow the carpet to acclimate for at least 2 hours after bringing inside. If you have creases, use a steamer to help relax the backing.

Installing the Cushion

1. The Uniplus II pad comes reverse rolled. The Textron, or brown “paper” side, goes up; the black rubber side faces the floor.
2. After you complete all floor preparation, plan the layout of the cushion. Install the cushion in the longest lengths possible with consideration for traffic patterns and seam placement.
3. Cut and fit the pad.
4. Fold back the cushion and begin applying the Pressure Sensitive Adhesive to the floor. Use a

1/16”x1/16”x1/16” square notched trowel

5. Install the cushion into the adhesive after the adhesive dries (turns clear).
6. Place the cushion onto the adhesive and adjust so there are no gaps at the seams and full contact is made with adhesive.
7. Smooth air bubbles with a 2-foot length of carpet core or the bottom of a tool box shelf.

General Installation Procedures

1. To begin the installation, roughly locate the carpet so seams will be either at right angles to the cushion seams or offset at least six inches to either side.
2. Trim all seam edges with the appropriate seam cutting tools before spreading the adhesive.
3. From a starting point near the center of the room, snap a white chalk line on the floor, measuring from the perpendicular walls. This marks the location of your first seam.
4. Dry lay the carpet by overlapping the edges 1-1/2” over the chalk line. Allow an extra 1-1/2” at the walls for trimming.
5. Check the carpet for the direction of pile lay, being careful to keep the carpet going in the same direction.
6. To start the seam, select one edge for cutting and fold the other side out of the way.
7. Trim off the factory edges when making the seam. Do not use double-cut method.

Please Note: Be sure the carpet lays flat and the pile runs in the same direction. Directional arrows are provided on the back of the carpet.

Seaming the Carpet (Non-Patterned Products)

1. To start the seam, select one edge for cutting and fold the other side out of the way.
2. To make a clean, straight cut for length seams, use the following procedure for straight row constructions:
 - Use a screwdriver or the tip of cushion back cutter to separate the yarn and visibly open a row approximately one inch from the edge.
 - Cut along the opening with a cushion back cutter, working down the entire length of the first piece of carpet.
 - To obtain a tight seam, cut close to the main body by trimming with the blade close to the seam edge. Be sure to hold the cutter straight up and down.
 - To ensure a well fitted seam, use the trace cut method to cut the second carpet edge. This is done by sliding the second seam edge about 1-1/2” under the first edge.
 - Using the first edge as a guide, trim the second edge holding the cutter straight up and down. Before removing the cut piece, be sure the carpet is cut completely through.
3. To make a clean, straight cut for length seams, use the following procedure for staggered or shifted row constructions:
 - Working from the back of the carpet, snap a chalk line down the length of the carpet about 1-inch from the edge.
 - Use a straight edge and knife to carefully cut along the line.
 - Cut through both the backing and the primary back. Avoid cutting excessive face yarn.
 - Trace cut the seam edge of the second carpet, butting from the face, or use the straight edge method and cut from the back side.

IMPORTANT: Trim off the factory edges when making a seam. DO NOT USE THE DOUBLE-CUT METHOD.

Patterned Carpets

The installer must measure and define the exact pattern match before beginning the installation. The exact pattern match may vary slightly from the match stated in the product specifications. Measure the length of at least 30 repeats. If the pattern is less than 4” in length, increase the number of repeats until the measured length is at least 120” (10’). If the pattern repeat is larger than 12”, the measurement does not need to exceed 360” (30’). Measure the same number of repeats on every roll, preferably making the measurements down the middle of the roll. Calculate each manufacturing order individually. All rolls are within a tolerance of +/- 1.0% of the average of pattern repeats for all rolls.

Please Note: If you are having trouble matching a pattern, STOP and call Field Services at 800-833-6954.

Required Equipment for Patterned Carpet

The following items may be purchased from a local carpet workroom supplier.

- Commercial Seam Cutter, Wall Trimmer
- Power Stretch & Mini Stretcher
- Rollers (35 - 50 lb Push Roller & Straight Action Hand Roller)
- Row Finder
- Carpet Tractor
- Steamer

Installation Check List for Patterned Carpet

- Measure the pattern repeats at the beginning, middle, and end of each roll
- ALWAYS install the drop with the longest pattern repeat FIRST
- Use a power stretcher on subsequent drops to match the pattern to the first roll (i.e., the roll with the longest repeat)
- Stretch (power and mini) carpet to align pattern
- Stay-nail aligned pattern to hold in place
- Use a steamer to soften the backing for better workability

Seaming the Carpet (Patterned Products)

1. When installing patterned carpets, a perfect match at the seams may not always be possible. However, you should obtain a reasonable pattern match. In the original labor quotation, make considerations for these requirements.
2. Lay out the rolls in measurement sequence as determined either by the pattern report or from on-sight measurement of the pattern repeats for each roll of carpet to be installed.
3. Start the installation in the middle of the space using the rolls that have the largest pattern repeat. This allows you to stretch rolls with smaller repeat measurements to match up to the rolls containing the larger repeat measurements.
4. You can row cut both seam edges of tufted patterned carpet face up using one of the above mentioned cutters.
 - Use a screwdriver or the tip of cushion back cutter to separate the yarn and visibly open a row approximately one inch from the edge.
 - Cut along the opening with a cushion back cutter, working down the entire length of the first piece of carpet.
 - To obtain a tight seam, cut close to the main body by trimming with the blade close to the seam edge. Be sure to hold the cutter straight up and down.
5. You can also cut the carpet face down using the following method:

- Match the fabric face up.
- Pick points in the line of match and place the tip of an awl on these points.
- Force the awl through the carpet backing and mark these points on the back.
- Turn the carpet face down and connect match points with a straight line.
- Following this line, cut through the carpet backing only using a straight edge and a razor blade knife.

Please Note: Prior to cutting, inspect the carpet thoroughly. No claim will be honored if the carpet is installed with any visible defects. If a problem does exist, contact your local salesperson, or call Field Service at 1-800-833-6954

CAUTION: Avoid penetrating too deep. This will sever the tip of the tufts, creating a slight crevice and a dark line at the seam.

Completing the Installation

1. Position the first trimmed edge along the chalk line.
2. After positioning the second edge against the first, check the alignment. Both edges should lay flat and fit together to form a tight seam without compression.
3. Once the seam edges fit correctly, weight or stay-nail the center line of both carpets length-wise to prevent the carpet from shifting. Carefully fold back both breadths of carpet, being careful not to shift the carpet.
4. Check the carpet at the seam for height variation and correct to a level appearance if necessary.
5. Use a 1/8" x 1/8" x 1/16" U-notch trowel only and spread the adhesive uniformly over the cushion. Maintain proper notch size throughout the installation.
6. Allow the WetSet to sit open for 15 – 20 minutes before putting the carpet down.
7. Press the carpet into the adhesive with a section of carpet tube or a stiff bristle broom.
8. Butt the seams tightly but do not peak them.
9. Finish the seam by brushing it with a stiff hand brush and trimming any protrusions with napping shears. You do not have to edge seal (butter) the seams of Unibond carpets.

Please Note: If the edges don't fit together properly or tuft rows are slightly bowed, use the trace cut method and re-cut to make the seam.

Please Note: If you're installing an ActionBac carpet, you must seal the seams. Only Unibond has a lifetime warranty against edge ravel with no seam sealer required.

Installing UniPlus II on Stairs

1. Use the Unibond WetSet adhesive to adhere the pad to the steps and the carpet to the pad.
2. Use a 1/8" x 1/8" x 1/16" U-notch trowel for the adhesion of the pad to the stairs and the carpet to the pad.
3. On heavy traffic areas, The Mohawk Group recommends using a tackless strip in a traditional strip and pad manner along with the glue method. This allows the installer to stretch the stairs tight.
4. Use the steamer to help make the carpet more pliable. The moist heat will help the carpet to bend around nosing, etc. When the carpet cools, it will hold that shape.

Please Note: The use of TMG's branded adhesives are required to ensure optimum results and are the only approved adhesives that TMG will warrant. Failure to use TMG's branded adhesives can result in warranties being null and void.

This information, offered as a customer service, is based on TMG's engineering tests and field experience. It is intended for installers with professional experience, to be used at their discretion and risk. TMG does not guarantee results and assumes no liability in connection with these installation instructions.

