



The Mohawk Group

Installation Guidelines for

Uniplus System II “Double Stick”

ActionBac

Wet Set



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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.

Recommended 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
- NuBroadlok Seam Sealer
- Lees WetSet Adhesive or TMG NuBroadlok
- 3/8" Nap Paint Roller
- Razor Blade Knife
- Loop Pile Cutter

Recommended Adhesives

TMG Enpress PSA Adhesive is recommended to adhere the pad to the sub-floor. The approximate spread rate is 40 yards per gallon. Lees WetSet Adhesive or NuBroadlok Adhesive is recommended to adhere the carpet to the pad. The approximate spread rate is 6-7 yards per gallon.

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, making the measurements down the middle of the roll. All rolls are within a tolerance of +/- 1.0% of the average of pattern repeats for all the rolls. Calculate each manufacturing order individually.

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

Installing the Cushion

1. 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.
2. Cut and fit the pad.
3. Fold back the cushion and begin applying the Pressure Sensitive Adhesive to the floor. Use a 3/8" nap paint roller to apply the adhesive.
4. Install the cushion into the adhesive after the adhesive dries (turns clear).
5. Place the cushion onto the adhesive and adjust so there are no gaps at the seams and full contact is made with adhesive.
6. Smooth air bubbles with a 2-foot length of carpet core or the bottom of a toolbox shelf.

Please Note: The goal is to coat the floor with a continuous thin film of adhesive. A thick film will make it harder to remove the cushion from the floor at the end of the carpet service life.

General Installation Procedures

IMPORTANT: Spread out all carpet 24 hours prior to the actual installation. The temperature in the room should be between 65° and 95° F. Also, plan the location for any dye lot changes to eliminate shading problems.

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.

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 1½” 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 facilitate installation for patterned carpets, use the measurements obtained previously and lay out the rolls in measurement sequence. 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 with larger repeat measurements.
7. To start the seam, select one edge for cutting and fold the other side out of the way. Trim off the factory edges when seaming.
8. 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 1” 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.
 - On non pattern goods only, use the trace cut method to cut the second carpet edge to ensure a well fitted seam.
9. 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” 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.
 - Then trace cut the seam edge of the second carpet (non pattern goods only), butting from the face, or use the straight edge method and cut from the back side.
10. Position the first trimmed edge along the chalk line.
11. 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.
12. 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 for non pattern goods only.
13. 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.
14. Check the carpet at the seam for height variation and correct to a level appearance if necessary.

Please Note: The trace cut method is done by siding the second seam edge about 1 ½-inch 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. This method is for non pattern goods only.

Applying the Adhesive

Please Note: TMG recommends that you begin the installation with a NEW trowel and re-notch or replace the trowel every 300 yards to maintain proper adhesive coverage.

1. Use only a 1/8” x 1/8” x 1/16” U-notch trowel. Maintain proper notch size throughout the installation. Spread the adhesive uniformly over the cushion.

2. Allow the adhesive 20 minutes of open time.
3. After spreading the adhesive, lay the folded edge of the first cut over the adhesive. To do this, the installers should position themselves at intervals along the entire length of the fold and grasp the folded edge. The installers must lift the folded edge and walk ahead, forming a wedge.
4. Use a stiff bristle push broom to smooth the fabric toward the seam. You can use cardboard roll cores cut into 2-foot lengths for pressing the carpet into place. Nylon short bristle brooms are not recommended; they tend to catch in the carpet pile.
5. Apply a 1/8” bead of seam sealer to the cut edge at the proper height to lock in the tufts and seal the edge of the first cut.
6. Grasp the folded edge of the second breadth of carpet and place it over the adhesive. This flap should be walked in evenly rather than using the wedge method. The installers should walk in all but one foot of the second breadth, and then fold that same amount back again.
7. Step onto the first cut and face the second cut. Holding thumbs up, grasp the 1-foot fold and place it into the adhesive approximately 1/2-inch from the edge of the first cut.
8. Slide the edge until it slightly abuts the edge of the first roll. Do not let the seam peak. The seam adhesive on the edge of the first length will transfer to the edge of the second length to seal the seam and prevent fraying.
9. In case of slight peaks or gaps, use a knee kicker to move the carpet slightly to obtain a closed and even seam.
10. Brush or roll any looseness and trapped air bubbles away from the seam with a light roller or the back of a floor broom. You must complete this procedure before the adhesive sets up.
11. Turn the unglued portion of the first length of carpet back toward the seam and spread the adhesive for a 6-foot width along the entire length.
12. Lay the carpet into the adhesive. Brush or roll any looseness and trapped air toward the wall and away from the seam.
13. Cut the next and continuing lengths of carpet and position each. Repeat the above procedures to complete the installation.
14. While the adhesive is still tacky, press the carpet into the adhesive along the wall. The carpet may be trimmed using a Roberts’s 10-905 wall trimmer. Trim and fit the end walls and around jogs, pillars, etc. as each length is installed.

Please Note: Seam Sealer must be used on all seams.

Installing UniPlus II on Stairs

1. Use the multi-purpose 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, TMG 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.

Carpet Protection

- Protect the carpet edges with a vinyl or metal strip fastened securely to the floor.
- For adhesive removal, cover the adhesive spot with Durasafe 2007 Paint, Oil, Grease & Adhesive Remover and allow five minutes of dwelling time. Use a scraping tool in a circular motion to collect the loosened adhesive. Vacuum the area thoroughly after drying to remove crystals and encapsulated soil.

CAUTION: Do not use chlorinated cleaning solutions, quaternary solutions, petroleum distillates, or citrus-based cleaning solutions to remove adhesive from the face fiber of TMG carpet.

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.