

The Mohawk Group Installation Guidelines for Uniplus System II “Double Stick”

ActionBac

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KARASTAN

LEES

Bigelow

 **DURKAN**

Before Installation

The floor and room temperature should remain a minimum of 65° F and a maximum of 95° F for 72 hours before and 48 hours after installation. Take the reading from a thermometer placed on the floor. Repeat in scattered areas. The installation site must be acclimated with HVAC in operation.

Store the carpet and adhesive at 65° F to 95° F on site 24 to 48 hours before installation. If possible, unroll as much of the carpet as possible 24 hours before the installation.

Remove foreign materials, such as paint, old glue, etc. by sanding.

Remove and sand any protrusions in the floor. Fill cracks more than 1/16-inch wide with a Portland or cement-based flashing compound.

1. Conduct a moisture test. Moisture in the subfloor will interfere with the curing and performance of the adhesive. Moisture should not exceed a reading of 5.0 pounds per 1,000 square feet per 24 hours as determined by a calcium chloride test per ASTM F1869, or 80% RH per ASTM F2170. If the results are more than 5lbs or higher than 80%, stop and contact Field Services @ 800.833.6954
2. The alkalinity or pH in the concrete slab should be between 5 and 9. Should the pH be outside this range, stop and contact Field Services @ 800.833.6954.

NOTE: Do not sand any products containing asbestos.

NOTE: When removing carpet from a surface containing asbestos, be certain to consult applicable local, state, and federal guidelines for the handling of asbestos containing materials.

TIP: Meet with the general contractor several days before installation. Discuss areas of responsibility so acceptance of the floor is a smooth transition.

Recommended Adhesives

TMG Enpress PSA Adhesive is recommended to adhere the pad to the subfloor. 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.

Recommended Equipment

- TMG Enpress PSA Adhesive
- 1/8" x 1/16" x 1/8" U-Notch Trowel
- Loop Pile Cutter
- Natural Fiber Push Brooms
- Wagner Power Steamer or Jiffy Steamer
- Lees WetSet Adhesive or TMG NuBroadlok
- Paint Roller
- Razor Blade Knife
- Steel Nails
- NuBroadlok Seam Sealer

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.

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.

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.

Installing the Carpet

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.

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 1½" 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.

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.

NOTE: When installing patterned carpets, a perfect match at the seams may not always be possible. However, an installation professional should obtain a reasonable pattern match. In the labor quotation, make considerations for installation requirements. Please request a copy of our technical bulletin "Installing Patterned Carpets" from Field Services (1-800-833-6954) if you have questions about installing patterned carpets.

Applying the Adhesive

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" V-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, 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 10-905 wall trimmer. Trim and fit the end walls and around jogs, pillars, etc. as each length is installed.

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 1/16 x 1/8 V-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.

Protect the installation from heavy traffic for 24 hours.

Carpet should be protected from heavy traffic and construction dust with a non-staining building material paper, such as "kraft" paper. Never use plastic sheeting as it will trap moisture and prevent proper curing of the adhesives. Plastic may also leave residues that can result in rapid soiling after removal.

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 branded adhesives are required to ensure optimum results and are the only approved adhesives that Lees' Carpet will warrant. Failure to use TMG branded adhesives can result in warranties being null and void.

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