

The Mohawk Group

Double-Stick Installation

Action Back

HPS Backing System

UPS Backing System

Weldlock

Woven

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

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

Bigelow Commercial * Durkan Hospitality * Karastan Contract

Please Note: Ultra Performance System Bloc and any attached cushion carpet can be installed by direct glue down only.

Carpet Installation Checkoff List

1. Newly poured concrete floors generally will take 90 to 120 days to cure. Moisture must 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, then primed with TMG's Primecoat or an approved primer, such as a latex milk additive.
2. The alkalinity or pH in a concrete slab must be between 5 and 9 for a direct glue-down installation. Should the PH be outside this range, stop and do not proceed with the installation. Contact Field Services at 800.833.6954.
3. The temperature of a concrete slab must be stabilized above 65°F both 72 hours before and 48 hours after installation.
4. The following environmental conditions inside the building are critical for proper installation: The temperature must be between 65°F and 95°F, and the humidity between 10% and 65%, for at least 24 hours before and 24 hours after installation. In addition, the 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.
5. Old cut-back adhesive must be properly removed and sealed with TMG's Sureseal prior to any direct glue-down installation.
6. Carpet should be rolled out and allowed to relax for at least 24 hours prior to installation. Carpet should never be folded or creased, as this can result in permanent wrinkles.
7. Never install carpet over carpet.
8. Never cut carpet over carpet, as this can result in over penetration of the blade and cutting loops on the lower carpet.
9. 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 adhesive. Plastic may also leave residues that can result in rapid soiling after removal.
10. Furniture placement and heavy traffic must be avoided for at least 24 hours after a direct glue-down 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: 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.

Required Tools And Materials

- | | |
|---|--------------------|
| 1. NuBroadlok Adhesive | 10. Straight Edges |
| 2. NuBroadlok Seam Sealer | 11. Razor Knives |
| 3. NuBroadlok Edge Sealer | 12. Dead Man |
| 4. TMG EnPress PSA | 13. Hammer |
| 5. Cushion back cutter or top cutter | 14. Stay Nails |
| 6. 1/8" x 1/8" x 1/16" V-notched trowel | 15. Dry Line |
| 7. 1/16"x1/16"x1/16" square notched trowel | 16. Chalk Line |
| 8. Mini or Crab Stretcher and Power Stretcher | 17. Tape Measure |
| 9. 50 to 75 lb. Roller | 18. Knee Kicker |

TMG does not recommend the use of tool trays, carpet cores, or boards to transfer adhesive from cushion to carpet. These methods usually result in squeezed-out adhesive and could cause pockets of poor adhesion (bubbles).

Please Note: A premium double-stick seam tape such as AAT-URA-BOND U900, Orcon-XU90 Capitol Softloc, or Kool Glide seaming system must be used on all products.

Lay Out Carpet

It is always advisable to lay out the carpet the day before the installation. This allows the carpet to relax and improves performance. When feasible, install so the majority of the traffic moves in the lengthwise direction of the carpet.

Cushion/Padding

To achieve the best performance, a high-density cushion not more than 1/4 inch thick and not less than 16 lbs. density is recommended. Low-density cushions cannot be successfully used on double-stick installations. Excessive flexing with low-density cushions will cause installation failure; additionally, some pads absorb adhesive. These characteristics must be reviewed with the pad manufacturer prior to installation.

Installing Cushion/Padding

Cushion should be installed in the longest lengths possible, taking into consideration traffic pattern and seam placement. Offset cushion seams from carpet seams by 6 inches. After breadths are in place, fold or roll cushion back and spread with TMG EnPress PSA Adhesive with a 1/16" x 1/16" x 1/16" square notched trowel and allow the adhesive to set until tacky. Lay cushion into adhesive and trim flush with the wall or baseboard.

Pile Direction

All full-width carpets have an arrow on the back running approximately 2 feet from the selvage along one side of the carpet. This arrow indicates pile direction. The pile direction can also be checked by the selvage edge. There should be a different color strand running down the length of each side of the selvage. When seaming, the pieces of carpet should be joined with the arrow running in the same direction on each breadth. All cut carpet used as fill pieces should be marked to indicate pile direction before the arrows are removed.

Recommended Cutting Methods

All Tufted and woven carpets should be cut between the rows using a top cutter. In all cut/loop and loop constructions, care must be taken to ensure that no loops are cut.

Lengthwise Cuts

Bend the carpet along the length to separate the rows and expose the backing yarns. Part or trace the pile with a screwdriver along the length of the proposed cut. Start the cut by making a small incision on the edge with a carpet knife. Insert the top cutter between the backing yarns and cut along the face of the carpet. The top cutter should always be inserted so that the blade is close to the seam edge.

The Mohawk Group

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

Please Note: Edge Sealer must be used on all cut edges of woven immediately after cutting.

Please Note: A premium double stick tape must be used on all seams. Seaming tapes that have adhesive on the back of the tape may cause problems when stretching the carpet and should be avoided.

Widthwise Cuts

All widthwise cuts must be made with a top cutter and straight edge following a pattern from point to point. Trim with the blade closest to the seam edge; holding the cutter slightly away from the seam edge at no more than a 5 degree angle, so as to cut slightly more backing material than face yarn.

Pattern Matching

It must be understood that carpet is a textile and cannot be made to exact specifications. All patterned carpet is subject to certain manufacturing tolerances, therefore a perfect pattern match cannot be guaranteed. However, a match should be achievable by stretching the short side out to meet the long side. Tolerances for patterned carpet are:

Bow: 1-1/2 inches across the 12-foot width

Skew (bias): 1-1/2 inches across the 12-foot width

Pattern elongation: 1-1/2 inches in 12 feet along the length

Pattern Elongation

All rolls should be dry-laid and the pattern repeat measured to establish the correct roll sequence. The longest pattern must be installed first, then the next longest, etc. This allows the shorter pattern to be stretched to the longer pattern, and keeps the closest pattern repeats together. After the roll sequence is established, glue half the long pattern and half the shorter pattern lengthwise. Stretch the shorter pattern to match the longer pattern by starting the center of the seam and stretching toward the ends. Stay nail will be needed to secure the pattern match as the adhesive sets.

Corrective Steps for Bow and Skew

Make a cut across the patterns at one end. Then apply the adhesive using the proper trowel. Push the short corners to the wall and stretch the excess carpet created by the bow or skew to the opposite wall using a power stretcher and crab stretcher. Use stay nails to hold the pattern in place until the adhesive sets. Follow this procedure throughout the installation. In large rooms start in the center of the seam correcting the bow & skew with a stretcher or mini stretcher. A dry line should be placed along the pattern for reference.

If you are having trouble matching a pattern, STOP at once and call the hotline number, 800-833-6954.

Please Note: Pattern installation instructions and diagrams are shipped in each roll of carpet.

Installing Carpet

Cut carpet to the necessary length and lay into proper position. Trim selvage, following yarn row on tufted and woven products when possible. When trimming seams, do not allow the knife to penetrate through the cushion, as this could cause loss of adhesive. Fold carpet 3 feet on each side of the seam and apply NuBroadlok Multi-purpose, using a 1/8" x 1/16" x 1/8" U-notched trowel. The spread rate should be 6 to 7 square yards per gallon. Allow the adhesive to set, using the proper open time before placing carpet into the adhesive. Open time depends on the amount of humidity in the area. Higher humidity requires a longer open time. Squirrel-cage carpet fans may be used to help the adhesive set faster. A good double-stick pad will not absorb adhesive so it will take longer for the adhesive to reach the tacky stage.

The Mohawk Group

Turn on an air conditioner in the summer or heat in the winter to reduce the humidity below 65%. **INSTALLING CARPET BEFORE THE ADHESIVE HAS REACHED THE TACKY STAGE WILL RESULT IN INSTALLATION FAILURE.** After sufficient open time, fold or drop one side of the carpet into the adhesive. Apply edge sealer to the side of the carpet backing material. Fold and push the next side against the first. Roll carpet into the adhesive with a 35 to 50 lb. roller both widthwise and lengthwise to ensure good transfer of adhesive to the back of carpeting.

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.

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.

The Mohawk Group

