

# Direct Glue-Down Installation — Ultra Performance System,<sup>TM</sup> Ultra Performance System Bloc<sup>TM</sup> and Action Bac

Exclusive to Durkan Commercial, Mohawk Commercial, and Bigelow Commercial.

MG805 SLT0000879 1/06

 **The Mohawk Group**  
500 TownPark Lane Suite 400  
Kennesaw, GA 30144  
800-554-6637  
[www.mohawkgroup.com](http://www.mohawkgroup.com)

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

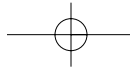
KARASTAN  
CONTRACT

Durkan  
COMMERCIAL

MOHAWK  
COMMERCIAL

BIGELOW  
COMMERCIAL





**Please Note:** Ultra Performance System and Action Bac carpets can be installed using direct glue-down, tackless, and double-bond methods.

**Please Note:** Ultra Performance System Bloc carpet can be installed by direct glue down only.

#### **Carpet Installation Checkoff List**

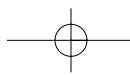
1. Newly poured concrete floors generally will take 90 to 120 days to cure. If moisture exceeds five pounds as determined by a calcium chloride test kit (Refer to CRI 104) consult manufacturer.
2. The alkalinity or pH in a concrete slab should be between 5 and 9 for a direct glue-down installation.
3. The temperature of a concrete slab must be stabilized above 65° F both 24 hours before and 24 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 72 hours before and 72 hours after installation. In addition, the adhesive and seam sealer should be stored under these conditions for at least 24 hours before installation.
5. Old cut-back adhesive must be properly sealed or removed prior to any direct glue-down installation. See note below.
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 overpenetration of the blade and cutting loops on the lower carpet.
9. Furniture placement and heavy traffic should 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**

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

1. NuBroadlok™ Adhesive
2. NuBroadlok Seam Sealer
3. NuBroadlok Edge Sealer
4. Foam back cutter or top cutter
5. 1/8" x 1/8" x 1/8" U-notched trowel
6. 50 to 75 lb. roller
7. Crab stretcher and power stretcher



**Pile Direction**

All full-width Ultra Performance System and Action Bac 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. 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**

Ultra Performance System and Action Bac 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. All cut edges to be seamed must be sealed with NuBroadlok Seam Sealer.

**Widthwise Cuts**

Follow the same procedure as for lengthwise cuts, inserting the top cutter with the blade close to the seam edge. All cut edges must be sealed by pressing a thin coating of NuBroadlok Edge Sealer into the base of the pile and backing.

**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

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.

**Applying Approved Adhesive**

NuBroadlok is the only adhesive approved for use in direct glue-down installations. The use of NuBroadlok Adhesive is vital to ensure optimum results. Applying an improper adhesive can result in an installation failure for which Mohawk cannot be held responsible. To make certain that the proper amount of adhesive is transferred to the back of the carpet, a 1/8" x 1/8" x 1/8" U-notched trowel must be used. This will result in a spread rate of approximately 10 yards per gallon.

Proper open time is critical for the adhesive to develop the proper tack. Open time will usually range from 10 to 30 minutes but should be evaluated in a small area before proceeding with the installation. Allow the adhesive to remain open long enough to develop tack, however not too tacky that the pattern cannot slip to make a proper match.

**General Installation Procedures**

1. Make sure that the pile-lay runs in the same direction. Check starting wall for squareness, allowing for an off-square wall. Strike a chalk line the entire length of the area where the seam falls.
2. Place two lengths in the proper position for installing, and trim selvages. Line up the seam edges with the chalk line, making sure they are perfectly flat and tension free.
3. Fold or roll both widths back 3 feet from the seam area for the entire length of the carpet.
4. Spread NuBroadlok Adhesive from the approximate center toward each end, using a 1/8" x 1/8" x 1/8" U-notched trowel and steady, even strokes. When sufficient floor area has been covered with NuBroadlok, wait until the adhesive has reached the appropriate tacky stage before dropping the first breadth of carpet into place. Apply a thin coating of NuBroadlok Seam Sealer to the seam edge of the first breadth. Follow this procedure for each succeeding breadth at the seam. Drop or roll the second breadth into position, and fit the seam in tightly using a knee kicker if necessary. Roll looseness and air bubbles away from the seam.

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

5. The remaining portion of the first breadth can now be folded or rolled back from the floor. Apply NuBroadlok to the floor; wait until the adhesive has reached the proper tacky stage before dropping the carpet into place. Be sure to have enough people spreading the adhesive so that, after the floor is covered with adhesive, each breadth is in place within the determined period of open time.
6. Roll or fold back the dry portion of the second breadth toward the seam, spread the NuBroadlok, and place the carpet to 3 feet from where the next seam will fall.
7. Be sure to roll out looseness and air bubbles as the carpet is put in place. Repeat above procedures on continuing breadths. To trim the carpet at the wall, use a razor-blade knife or suitable wall trimmer.
8. Roll completed installation with a 50 to 75 lb. roller in both length and width. This will allow the adhesive to penetrate the carpet back properly.

**Double-Bond Procedures**

Additional double-bond instructions are available upon request.

*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. The Mohawk Group does not guarantee results and assumes no liability in connection with these installation instructions.*

**Please Note:**

The use of Mohawk branded adhesives are required to ensure optimum results and are the only approved adhesives that Mohawk Industries will warrant. Failure to use Mohawk branded adhesives can result in warranties being null and void.