

Direct Glue-Down Installation – Patterned Carpet

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

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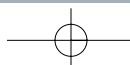
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KARASTAN
CONTRACT

Durkan
COMMERCIAL

MOHAWK
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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

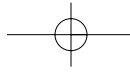
The following items may be purchased from a local carpet workroom supplier.

1. Power stretcher and crab stretcher
2. NuBroadlok™ Adhesive
3. NuBroadlok Seam Sealer
4. NuBroadlok Edge Sealer
5. Knee kicker (to position carpet only)
6. Top cutter
7. Stay nails
8. Dead man and pull boards
9. 50 to 75 lb. roller
10. 1/8" x 1/8" x 1/8" U-notched trowel

Pile Direction

Woven carpet will have two ends of false-colored selvage on each side. The wire side will have two different colors, and the shuttle side ends will have two of the same color.

Tufted carpet will have arrows on the back and/or a colored yarn tufted on one side.

**Lengthwise Cuts**

Bend the carpet along the length to expose the two backing yarns between the lines of the pile. 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.

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.

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

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. 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.

Roll Sequencing

Rolls of patterned carpet must be sequenced so the longest pattern is installed first and the roll with the next longest pattern can be stretched to match the longer one. This procedure is critical, because it is impossible to shrink a longer pattern to match a shorter pattern. This requires each roll be measured for pattern repeat prior to installation. See specific pattern elongation installation procedures below.

Equipment Recommendations

For stretch-in installations and for stretching to match the pattern on glue-down installations, a senior power stretcher and a crab stretcher are required to obtain suitable matches. Knee kickers should only be used to position the carpet. The same method should be used for double glue-down installations.

A dead man and pull boards are required for obtaining suitable stretch on longer breadths.

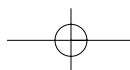
Applying Approved Adhesive

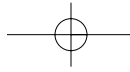
NuBroadlok is the only adhesive approved for use in direct glue-down installations. The use of NuBroadlok Adhesive is vital to ensure optimum results. Applying an improper adhesive can result in an installation failure for which Mohawk cannot be held responsible. To make certain that the proper amount 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 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 can slip to make a proper match.

General Installation Procedures

1. 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.
2. Fold or roll both widths back 3 feet from the seam area for the entire length of the carpet.





3. Spread NuBroadlok Adhesive from the approximate center towards each end, using a 1/8" x 1/8" x 1/8" U-notched trowel and steady, even strokes. When sufficient 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 or crab stretcher. Roll looseness and air bubbles away from the seam.
Please Note: Seam Sealer must be used on all seams.
4. 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.
5. 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.
6. 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.
7. 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.

Corrective Steps For Bow And Skew

For direct glue-down installations, cut a breadth at one end on the pattern and spread the adhesive, allowing room to make a seam. 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.

Trueness Of Edge

After trimming and sealing the edges, the carpet should be dry-laid with the short edge overlapping until the void disappears. Working from a chalk line, fold the carpet back 4 to 6 feet on each breadth, spread NuBroadlok Adhesive, and allow the adhesive to tack up. The breadth that overlaps must be compressed to form the seam, forcing the excess carpet away from the seam. It may be necessary to stay-nail along the seam until the adhesive cures. The fullness/excess carpet should be dispersed into surrounding areas by rolling away from the seam.

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 in the center of the seam and stretching toward the ends. Stay nails will be needed to secure the pattern match as the adhesive sets.

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.

