Tackless Woven

INSTALLATION INSTRUCTIONS

Carpet Installation Check-Off List

1. Newly poured concrete floors generally will take 30 days per inch to cure. Moisture should not exceed 80% relative humidity as determined by current ASTM standards. If the results are higher than 80% RH, do not proceed with the installation unless moisture mitigation is complete or high moisture adhesive is used.
2. The floor and room temperature must be acclimated by maintaining the temperature at 65° F and 85° F, and the humidity between 30% and 65%, for at least 48 hours before and during installation. In addition, the carpet should be stored under these conditions for at least 24 hours before installation. The installation site must be acclimated with HVAC in operation.
3. When the installation is complete, the jobsite must be maintained at normal service temperature and humidity.
4. If the subfloor has existing adhesive it must be properly prepared prior to any installation of Mohawk Group's woven broadloom carpet. See note #1 above.
5. Fill cracks more than 1/16" 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.
6. Inspect all carpet prior to cutting and contact your sales representative before installing the carpet if you discover any problems. No claims will be allowed for visible defects after the carpet has been cut and installed.
7. Carpet should only be bent when absolutely necessary for transporting purposes and must be unrolled immediately. Carpet should be rolled out and allowed to relax for at least 24 hours prior to installation.
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. Do not use plastic sheeting as it may leave residues that can result in rapid soiling after removal.
10. If any of the above conditions are not attainable, contact Mohawk Group Technical Services at 800-833-6954.

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. Installation of Mohawk Group's woven broadloom carpet on a floor outside the scope of the guidelines in this document will void all applicable warranties.
3. The Mohawk Group is not responsible for any product failure due to improper floor preparation and/or installation procedures.

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Required Equipment

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

- Razor knives
- Top cutter
- NuBroadlok Edge Sealer
- Premium seaming tape
- Seaming iron with heat shield
- Knee kicker (to position carpet only)
- Crab stretcher and power stretcher

Recommended Padding or Underlay

The proper type of padding plays a key role in achieving satisfactory results and prolonging the life of the carpet. A proper cushionis firm and uniform in thickness. Flat rubber or urethane foam padding should not exceed 3/8 inch in thickness and must have a minimum density of 16 pounds. A 1/4-inch pad is more desirable if it meets the density requirement. Felted underlays (synthetic fiber cushion) such as Mohawk's SmartStep (28oz or 32oz weight only) or hair and jute underlays should be at least 28 oz. in weight and should not exceed 3/8" in thickness.

Please Note: Underlays that are too soft or have an uneven or non-uniform density (including pads that contain deep bubbles or ripples or have a high profile, such as waffle pads) are not recommended for commercial carpet, as they are frequently the cause of re-stretch calls and seam splitting.

Tackless Strip

Commercial installations require either an architectural or commercial-grade tackless strip (3 rows of pins) or double strips of Type C tackless. The gully between the wall and the tackless strip should be slightly less than the thickness of the carpet.

Pile Direction

All broadloom carpet should be installed with a consistent pile direction. This can be determined several ways. One of them is the pencil and paper test. Woven carpets have a different color warp yarn approximately 12" from the selvage edge.

Apply a bead of Nubroadlok Edge Sealer to all cut edges of Woven grades immediately after trimming. Press the latex into the base of the pile with thumb, smoothing out any lumps. Be careful not to rub the edges, which could distort the seam. Allow the Edge Sealer to completely dry before proceeding.

All seams must be sealed with NuBroadlok Edge Sealer and be heat tape seamed.

Use a Premium low profile seaming tape.

Recommended Cutting Methods

Carpet should be cut between the rows when possible using a top cutter. In all cut/loop and loop constructions, care must be taken to ensure that no loops are cut.

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Lengthwise Cuts

Bend the carpet along the length to separate the rows. 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 in addition to seam sealing.

Please Note: Edge Sealer must be used on all cut edges of woven immediately after cutting. (Length and Width)

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

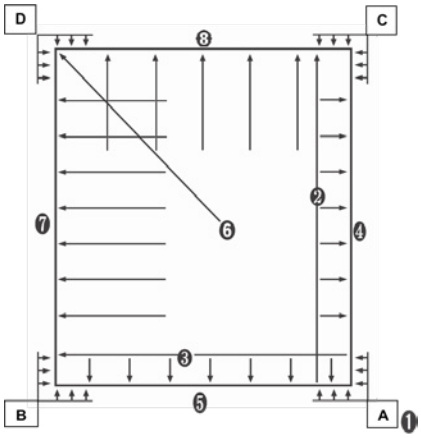
Please Note: If you are having trouble matching a pattern, STOP and call Technical Services at 800-833-6954.

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, stretch the shorter pattern to match the longer pattern by starting the center of the seam and stretching toward the ends. Stay nails will be needed to secure the pattern match as the seam is put in.

Seaming Procedures

Cut and prepare seams. Put the two edges together and make sure the loops and rows are lined up. Lift one breadth and apply NuBroadlok Edge Sealer at the bottom of the pile and backing material. Fold this breadth and allow the Edge Sealer to dry. Repeat this procedure on the other breadth. Select a premium hot-melt tape (such as Stixx S120, Orcon XU90, Seam Master OT90, Seam Master Kool Glide, or Capitol MegaLoc). The iron must have a heat shield or Kool Top, and the face of the iron should be clean to allow the thermostat to work properly. The iron setting should be 2-1/2, or not more than 3. Before making the seam, pre-stretch the carpet in the seam area. This should eliminate puckers and allow the carpet to remain flat at the seam edges. After positioning the hot-melt tape, push the iron very slowly to melt the adhesive, laminating the edges to the tape. Carefully push the two edges together as the carpet drops off the iron. Do not use tool trays or weighted metal to press the carpet into the tape, as they will trap heat and cause the seam to cup, peak, or distort. The use of a sandbag or ventilated wooden board will allow heat to escape from the seam. Seam tractors should be used sparingly. Do not use excessive pressure.



Allow the seam to set and dry before stretching the carpet. Carpet must be stretched both ways in length and width, and a power stretcher is mandatory.

Recommended Stretching Method

Refer to the diagram below for the proper stretching procedures.

1. Hook at corner A.
2. Power-stretch from A to C and hook at corner C.
3. Power-stretch from A to B and hook at corner B.
4. Stretch and hook along wall, A to C.
5. Stretch and hook along wall, A to B.
6. Power-stretch and hook at corner D.
7. Power-stretch and hook along wall, B to D.
8. Power-stretch and hook along wall, C to D.

Please Note: More stretch will be gained in the length of Woven carpet than in the width. However, the carpet must be stretched in the width regardless of the amount obtained. A power stretcher must be used as indicated. Failure to apply the proper stretch is likely to result in a re-stretch call.

Restretching

It is common industry knowledge that carpet occasionally must be re-stretched. This is especially true in environments with significant changes in humidity. Should buckling, wrinkling, or a similar condition occur that affects the lay of the carpet, the problem can be remedied if handled in the proper way.

Mohawk Group will not be responsible for any costs incurred due to buckling or wrinkling, as these conditions do not constitute manufacturing defects.

Chair Pads

Chair pads are recommended for use under chairs with roller casters. Casters must be the flat round type with 5/8” to 1” width minimum. If chair pads are not used, the appearance of the carpet will decrease. Maintenance will be required more frequently when pads are not used.

This information, offered as a customer service, is based on 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.

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