



INSTALLATION BASICS FOR SUPER LOK, LIFELONG AND ERGOSTEP

Use Constitutes Acceptance

Except for any differences as noted herein, all Tandus broadloom carpet is to be installed in accordance with the minimum standards set forth in CRI 104 Standard For Installation of Commercial Carpet. Copies are available from the Carpet and Rug Institute at 1-706-278-3176.

- Installation contractors who do not have a practical working knowledge of pattern carpet installation including pattern matching, straightening pattern lines and the techniques of stretching and stay nailing should not attempt installing.
- For bid purposes, pattern carpet installation will require more time, skill and cost than non-patterned styles. This should be recognized when estimating the job.

IMPORTANT INFORMATION FOR INSTALLERS!

Improper installation can void the manufacturers warranties.

Before starting the installation, be sure of the following:

- The material is the correct style and color.
- Inspect for visible flaws and if found, always report to the sales representative before installing.

Protective Plastic: Do not place plastic sheeting on top until after the adhesive has had at least 72 hours time to cure. Placing plastic sheeting on top too soon can cause yellowing of the carpet.

Check for dye lots and roll sequence information supplied by the manufacturer and follow instructions.

Look for pile-lay (nap) indicators and always run the pile-lay (nap) in the same direction.

Installation Methods

- Direct glue is the recommended method of installation for Tandus broadloom products.
- Double glue and stretch in methods are allowed but result in the loss of warranty coverage for delamination and edge ravel.
- Bubbles in the installation are not covered by manufacturer warranty.

Planning and Layout

Planning prevents the unexpected.

- A comprehensive seaming diagram should be prepared and approved by the purchaser before beginning the installation.
- Seam placement should run parallel with the main flow of traffic.
- Whenever possible, run the carpet lengthwise down corridors.

- Follow the manufacturers suggested Laying Sequence.
- Preplan where dye lot changes will fall.
- Always dry lay ahead, watching for irregularities in the pattern.

Floor Preparation

Refer to CRI 104 for a full description of proper site conditions and floor preparation. Slab conditions:

- Moisture emissions must not exceed 5 lb/1000sf/24hr using calcium chloride test method per ASTM F1869. Slab pH must not exceed 9.0.
- Fill cracks and depressions with a Portland cement based patching compound.
- Skim coat porous or dusty floors with Portland cement patching compound or paint with a primer to help slow absorption of the adhesive.

Seams

Seam Method Options:

1. Most Tandus broadloom styles have lengthwise lines of pattern or color. For these, lengthwise seams, preparation is made by row cutting the carpet. Be careful to find the pattern match before cutting. Run the row with an awl or screwdriver to ensure the row is open and no leaning yarns will be cut off.
2. For Super Lok and Lifelong, a loop pile cutter is recommended for best cut and to avoid cutting the carpet that may be underneath.
3. For ErgoStep, a cushion back cutter is recommended. Keep the cutter straight up and down so that the foam cut will be parallel.

Some Tandus broadloom does not have distinct pattern or color lines. Double cutting or trace cutting is permitted. When you are not sure, make practice seams to determine which of these methods will make the best seam.

Seam Requirements

For direct glue installations, all exposed seams require sealing with Tandus B-71 (water based) or B-65 (solvent based). The sealer must be properly placed to lock in the yarn bundle on both sides and must be of sufficient quantity to form a strong bond.

Note: Ergo Step may require a larger bead to ensure there is sealer at the yarn bundle and not just the base of the foam.

- Where heat bond tape is used in double glue and stretch in installation, apply white latex seam sealer and let it dry before making the hot melt seam.

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Terminating the Edge

All carpet terminations or transitions to other type flooring require protective covering in the form of metal, rubber or plastic. Edge ravel resulting from failure to protect the edge is not covered by the manufacturer warranty.

Manufacturing Tolerances

Carpet is a textile product subject to a certain amount of distortion during and after manufacture. While extensive measures are taken by Tandus to assure pattern accuracy, perfect pattern match and perfectly straight lines are not guaranteed. Tandus manufactures broadloom carpet to tolerances considered workable to achieve satisfactory pattern match and straightness. If the following tolerances are exceeded, stop installation and call for direction 1-800-248-2878.

Tolerances:

- Bow $\frac{3}{4}$ " or less across width.
- Skew 1" or less across width.
- Pattern elongation $1\frac{1}{2}$ " or less in 12 feet length of carpet.

Achieving Pattern Match

1. Dry lay as much of the carpet as possible before spreading adhesive.
2. The roll sequence sheet provided by Tandus is based on measurement of pattern repeat. If it is not available or appears incorrect, double-check the repeats by counting the number of patterns in an exact length of 10 ft. and compare the results from roll to roll. Patterns are to be laid starting with the longest pattern and working to the shortest.

General rules of pattern matching:

- Start in the center of the drop and stretch toward both ends. An exception would be to concentrate efforts on major walkways and less emphasis for under furniture seams.
- Step back frequently and sight down diagonal pattern lines as well as straight across.
- Do not mix dye lots unless approved by Tandus.
- Start with the longest pattern (the smallest number of patterns in 10 ft). It is easier to stretch patterns than to shrink them. Where necessary to shrink, allow fullness and press down as the glue sets up.

Direct Glue Installation Method

- Prepare the floor as required for a quality installation.

- Following the pattern sequence, dry lay the carpet in the predetermined layout, checking for visible flaws and pattern match.
- Trim the edges in preparation for seaming
- Spread Tandus B-19 premium carpet adhesive using a $1/8" \times 1/8" \times 1/8"$ V notch trowel. Yield approx 8-10 sy/gallon.
- For pattern carpet it will be necessary to drop the carpet into the wet adhesive, as the pattern may need to be worked into place before the adhesive sets.
- With the first drop in the adhesive, apply a $1/8"$ bead of seam sealer to the carpet edge.
- Fold the 2nd drop into the adhesive.
- Move the drops as required to achieve pattern match, straight pattern lines and tightly closed seams. Use stay nails or other holding methods as required to hold the carpet in place while the adhesive sets.
- Roll the carpet to ensure 100% contact and adhesive transfer. For ErgoStep backing do not exceed 75 lb roller weight.

Slab Expansion Joints

Tandus does not recommend installing across expansion joints. The builder should provide suitable protection against telegraphing and damage from joint movement.

Stretch and Double Glue Installation Method

Refer to CRI 104 for these instructions.