

BROADLOOM

INSTALLATION INSTRUCTIONS

GENERAL INFORMATION

- Signature will not be responsible for improper installation, and failure to follow these guidelines may result in limited warranty coverage.
- Inspect the carpet prior to installation.
- If defect is found contact your Signature Sales Representative or Signature's Technical department prior to proceeding. If defect is installed Signature is not responsible for the installation.
- These guidelines are designed to assist in a proper installation. For items not covered utilize the Carpet and Rug Institute CRI 104 Commercial Installation Guidelines or contact Signature Technical department for assistance.
- Any deviation from these guidelines will become the responsibility of the installer and not Signature.
- Installer should ensure with the end user that product design and color are correct before proceeding. Once material is cut or installed the responsibility for product falls solely on the installation team.
- A comprehensive diagram should be used for clarification on seam placement prior to installation.
- Layout job based on pattern sequence/size. This will typically coincide with roll sequencing. Layout space placing cut from the largest pattern measurement to the smallest. This will aid in pattern alignment.

SITE CONDITIONS

- HVAC must be operational for 48 hours prior to, during and after installation. Temperature must be between 65°F and 95°F. Ambient Relative Humidity should not exceed 65°.
- Carpet, padding and adhesive must be acclimated at site for 24 hours.
- Moisture Testing
 - Relative Humidity must be below 85% (ASTM 2170) Or MVER must be below 5lbs (ASTM 1869)
- pH should be between 5-9 in accordance with (ASTM 710).
- It is recommended that a qualified independent third-party test the flooring for suitability. If any of the above items can't be met contact Signature's Technical department.

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FLOOR PREPARATION

- Substrates must be structurally sound, clean, flat, and dry. They must be free from dust, dirt, oil, grease, paint, curing agents, concrete sealers, and any other substance or condition that may prevent proper bonding.
- All cracks, holes and flooring irregularities should be repaired by using a Portland cement-based compound.
- Ensure that the patching compounds are suitable for the application.
- For best results prime patched areas.
- Wood Subfloors must be APA approved and primed.
- Existing Adhesives
 - Pre-existing adhesive should be scraped and removed. If any residue remains adhesive should be encapsulated with a cementous based patch or approved sealer.
 - If cutback adhesive (black) is present, adhesive must be thoroughly removed and sealed with an approved sealer before proceeding.
 - Do not use adhesive removers as this will negatively affect the new adhesive and possibly new carpet backing.

ADHESIVE

- A premium adhesive such as Signature 2800 should be used.
- For **Direct Glue** apply adhesive with a 1/8" x 1/8" x 1/8" U-notch trowel. This should yield 8-10 yds per gallon.
- For **Attached Cushion** apply adhesive with a 1/8" x 1/8" x 1/8" U-notch trowel. This should yield 8-10 yds per gallon.
- For **Double Stick** carpet to pad use a 1/8" x 1/8" x 1/16" U-notch trowel. This should yield 5-7 yds per gallon. Pad to floor use 1/16" x 1/16" x 1/16" V-notch trowel.
- For best results when installing patterned goods allow adhesive time to tack. This tack will aid in pattern alignment.

INSTALLATION DIRECT GLUE

Seam Cutting

- Seams should be cut following the tufted row. Depending on machine type seams should be cut 1/2" to 1' from each side. Three to five yarn rows are typically removed from each side to achieve proper pattern match.



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- Begin by opening a row with a row finder or flat screwdriver. Then proceed to cut with a cushion back cutter using the blade closest to the seam.
- Due to high stitch rate some products like (CYP) can make finding the impossible. In this case seams should be cut from the face with a straight edge and cushion back cutter. Cutting from pattern to pattern with the closest blade down and angling the cutter slightly to cut the backing shorter than the face.
- Cross cut seams can be made in the same manner if row can be ran. If not use a straight edge from pattern to pattern to cut.
- Continue this until all seams are cut before starting installation to ensure seams are satisfactory.
- Seams should be edge sealed at this time using Signature 1801 seam sealer.
- Once seams are cut and pattern is aligned in the center using a knee kicker, proceed to install. Dry lines may need to be used to aid with pattern alignment. This will assist in the visual of long running pattern lines across the carpet.
- Signature suggests starting installation in the center of the room. Open up the center seam and proceed to spread adhesive. Once adhesive has tacked lay longest pattern breadth into the adhesive.
- Place opposite breadth into adhesive and work seam to align patterns from the center out. This will be done using a mini-stretcher (Crab Stretcher) or Power Stretcher. Stay nails may be necessary to be used to hold carpet in place until the adhesive sets.
- Once first seam is completed, repeat this process in both directions to complete the installation.
- Upon completion or at days end roll the carpet with a 50-75 lb roller to ensure proper adhesive transfer to the backing.
- Any adhesive or edge sealer that has gotten on the face of the yarn should be cleaned immediately to prevent excessive soiling.

INSTALLATION DOUBLE STICK

- A cushion designed for Double Stick should be chosen. Minimum ounce weight of 28 oz for commercial applications.
- Cushion should be installed at right angles to the carpet seams or staggered a minimum of 6" from the carpet seams.
- Cushion should be adhered to the substrate using a 1/16" x 1/16" x 1/16" notch trowel. Just as on the carpet install, the adhesive should be allowed time to tack. This will ensure that the cushion doesn't move while adjusting patterned carpet.

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- Cushion should be rolled with a 35-50 lb roller prior to positioning the carpet.
- Follow the steps above to position and install carpet using a 1/8" x 1/8" x 1/16" U-notch trowel.
- Seams must be edge sealed and then made using a premium double glue, low profile, non-silicone hot melt tape.
- Upon completion, carpet must be rolled using a 50-75 lb roller.

STRETCH IN

- Architectural (1 3/4" wide) with 3 rows of pins or 2 conventional rows of tack strips should be used in a commercial setting.
- The Carpet and Rug Institute (CRI) recommends a maximum thickness of 7/16" for cushion, but in no case should the thickness exceed 1/2". Minimum ounce weight of 28 oz for commercial applications.
- Cushion should be installed at right angles to the carpet seams or staggered a minimum of 6" from the carpet seams.
- Cushion should be glued to the substrate using a good quality cushion adhesive. On wood substrates staples can be used.
- Follow steps above for cutting, sealing and positioning the carpet.
- Carpet being stretched in MUST be power stretched. A stinger is not recommended as it will damage the carpet.
- Carpet must be stretched a minimum of 1% in each direction.
- Seams should be edge sealed using Signature 1801 seam sealer.
- Premium Tape with low profile and low melting point will provide the best results. Seaming iron should always be ran in the direction of the pile. This will prevent pile distortion.

TRANSITIONS

- All carpet products must be properly protected when transitioning to other floor covering or exposed stopping points.
- The use of transition molding to protect the edge is required when the carpet is higher than the hard surface.
- If adjacent flooring is slightly taller than the carpet, seam sealer along the edge may be used to prevent edge ravel over time.



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POST INSTALLATION

- Protect carpet from other trades by using non-staining building material paper over the carpet.
- Areas with heavy rolling traffic should be protected with Masonite or plywood.
- Plastic film should not be used for carpet protection as it retards adhesive curing and leaves a residue on the flooring.
- Use protective chair mats under chairs with casters. This will prevent excessive wear to the face of the carpet.

For more information, contact Signature's Technical Services Department or visit the website at signatureflooring.com/resources.