

Installation Guide

Tools And Materials Needed: Carpet Cushion, Carpet, Utility Knife, Tape Measure, Carpet Stretcher, Knee Kicker, Adhesive (for Double Glue Down), Trowel (for Adhesive Application), Double-Sided Carpet Tape (Optional for Stretch-in), and Professional-Grade Duct Tape (Optional For Stretch-in).



Preparation

Inspect Subfloor:

The subfloor shall be inspected to determine the special care required to make it a suitable foundation for the carpet cushion. Ensure all major protrusions or indentations are leveled or filled. Subfloors must be clean, dry and free of any foreign substances that would prohibit proper installation of the carpet cushion to the subfloor.

Level Compounds:

If patching the subfloor is required, the use of patching compound specifically designed for flooring is recommended.

Temperature and Humidity:

The room must be maintained between 65°F (18°C) and 95°F (35°C) for 24 hours before, during, and continuously after testing, preparations, and final installation. Relative humidity should be kept below 65%

General Installation Method



Bonding to Concrete Subfloors:

Adhesive selection is one of the most important decisions in any double glue installation. Ensure that only a pressure sensitive adhesive is used to ensure proper bond. Improper adhesive use can lead to the degradation of cushion and product failure.



Stapling on Wood Subfloors

If you are using staples to secure the cushion, please limit them to as few as possible, and only around the perimeter of the room, as close to the tack strip as possible (recommend every 12" (30.5cm) around the cushion perimeter).



Carpet Seaming

The carpet seaming iron must be kept at its lower heat setting and not exceed the temperature setting of 194°F/96°C to prevent cushion damage.

Moisture and Alkalinity Considerations

In double glue installations over new or existing concrete slabs, excess moisture or alkalinity can lead to performance issues, as these conditions may weaken the adhesive over time. Always check that moisture and alkalinity levels are acceptable before installation. A calcium chloride moisture test kit is readily available from product suppliers. Use the ASTM F1869 Calcium Chloride Test or the ASTM F2170 In Situ Relative Humidity Test for accurate results. Keep in mind that these tests take 60-72 hours to complete, so proper planning is essential.

As a general rule, a moisture emission rate of 5 lbs/1000 sq. ft./24 hours or 80% RH, along with a pH between 5 and 9, is acceptable for most carpets. Exceeding these limits increases the risk of moisture or alkalinity issues. While there may be corrective measures available, it's crucial to consult the specific carpet manufacturer for acceptable limits and any necessary corrective actions for their products.



Double Glue Down Method

Installation Steps:



1. Cut Cushion to Size:

Measure and cut the carpet cushion to fit the area, ensure carpet cushion seams are placed at right angles to carpet seams. If carpet and carpet cushion must run in same direction, seams must be offset by at least 6" (150mm).



2. Apply Adhesive to Subfloor:

Use a trowel to apply the adhesive evenly on the subfloor according to manufacturer instructions, covering the entire area where the cushion will be laid.



3. Lay the Cushion:

Press the carpet cushion into the adhesive, ensuring it lies flat and smooth.



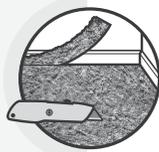
4. Apply Adhesive to Cushion:

Once the cushion is installed, apply adhesive on top of the cushion using the same method as above.



5. Install the Carpet:

Roll out the carpet over the adhesive-covered cushion. Roll with a carpet core or lightweight roller to roll carpet into adhesive.



6. Finishing Touches:

Use a knee kicker to adjust the carpet, ensuring it fits snugly. Trim any excess carpet along the edges and finish with baseboards or trim.

Final Checks

Inspect for any loose areas or bubbles, especially at seams and edges. Allow adequate drying time for the adhesive as per manufacturer guidelines before using the space.

Safety Precautions:

Always wear safety gear, such as gloves and a dust mask when handling adhesives



Stretch-In Method

Installation Steps:



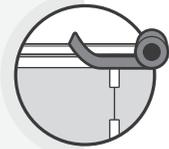
1. Cut Cushion to Size:

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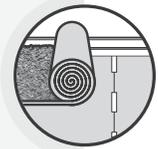
2. Lay the Cushion:

Roll the cushion into place



3. Secure the Cushion:

Use double-sided carpet tape along the perimeter and seams to hold the cushion in place (optional). Apply duct tape to full length of the cushion seams with 8" to 10" (200mm to 250mm) strips of tape placed on right angles of the seam at 18" (460mm) intervals (optional).



4. Install the Carpet:

- Roll out the carpet over the cushion, ensuring it overlaps the edges of the cushion.
- Use a knee kicker to stretch the carpet into place, starting from the center and moving outward.
- Use a carpet stretcher on the longer walls to ensure proper tension.



5. Trim Excess Carpet:

Trim the carpet edges to fit snugly against the walls using a utility knife.



6. Finishing Touches:

- Tuck the carpet edges under the baseboards or use carpet trim as needed.
- Ensure the carpet is smooth and free of wrinkles.

By following these instructions, you can successfully install HQ Living Commercial Carpet Cushion using either the stretch-in or double glue down method.

