

Broadloom installation procedure

Introduction

CFS broadloom tufted carpets are constructed of pile yarns tufted into a woven polypropylene primary backing and backed with either:

- Synthetic textile back
- Actionbac
- Jute back
- Foam back *
- Gel back *
- Felt back *

secondary backings to provide the correct degree of dimensional stability and flexibility.

It is important that all broadloom seams/joints are sealed.

- * Should only be installed using the direct adhesion method.

Cutting Tufted Carpets

The most common method of cutting secondary backed tufted carpets is from the back.

A chalk line is struck on the back and using a straight edge as a guide, a cut is made using a sharp bladed knife or a back cutter.

Carpets can also be cut from the top using a special tool designed for this purpose.

Seaming

Textile secondary backed broadloom carpet can be joined by using hot-melt seaming tape or electro-seaming tape.

A low-melt tape is recommended and care should be taken to ensure that the iron runs in the direction of the pile lay.

Installation Systems

There are several methods of installing carpets in contract areas:

Direct adhesion: Suitable for all areas and products.

Double-stick systems or tackless gripper and underlay: Suitable for textile secondary backed products in areas without concentrated traffic and no castor chairs.

As with all textile floor covering installations, it is essential that correct techniques, materials, accessories and tools be used, if a trouble free installation is to be achieved.

The following instructions will assist, but specific site conditions must be taken into account.

Direct Adhesion

Step 1 The carpet is laid out and cut oversize by about 50mm. to allow for subsequent cutting in. The position of any seam is marked on the sub floor using a chalk line.

Step 2 The carpet is turned back to about half its length or width, an appropriate adhesive is then spread on the subfloor using a notched trowel of the correct depth. The carpet is then laid into the adhesive following the manufacturer's recommendations. The carpet is then rolled to ensure adhesive transfer. The procedure is repeated for the second half of the carpet.

Step 3 The edges of the carpet are trimmed to ensure a neat finish. After approximately 1 hour the carpet is rolled again.

Double-stick systems

There are a number of double-stick systems in commercial use, there are slight differences in the systems but the basic principle is that the underlay is secured to the sub floor with a tackifier and the carpet bonded to the underlay with a permanent adhesive.

Step 1 A recommended tackifier is applied to the subfloor using either a notched trowel or a roller. Care should be taken to ensure that the tackifier is applied evenly without leaving pools in low spots.

Step 2 After the tackifier has dried completely the underlay is laid into the tackifier. Effectively this creates a new sub floor onto which the carpet can be laid.

A gap of approximately 6mm. (1/4") should be left around the perimeter of the underlay to allow for a tuck finish. In some instances tackless gripper can also be used around the perimeter of the room for extra security of fixing.

Step 3 The carpet is now laid out and installed following the direct adhesion instructions above.

Tackless gripper and underlay

The basic procedure for installing carpets in contract situations using the tackless gripper system is the same as for domestic installation. However, in this case it is recommended that architectural gripper with three rows of pins should be used. If this is not possible then standard gripper should be used double banked.

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Depending on the type of subfloor and the location, the tackless gripper is fixed either by mechanical means or with a suitable adhesive.

Contract quality underlay, as defined in BS 5808, should always be used.

A power stretcher should be used in areas over 5m long or wide (BS 5325:1996)

The amount of stretch for textile secondary backed tufted carpet is between 1.0 and 1.5%.

Fibrebonded sheet installations

These products must, be bonded permanently to a suitable subfloor following the “Direct Adhesion” method detailed overleaf.

Please follow the specific instructions provided by the procedure manufacturer of the sundry products used during the installation of CFS Carpets.