

Installation Instructions

CFS Carpet Broadloom/Sheet



Site Requirements

CFS products are intended for inside installations on dry, properly prepared floors. The product is not intended for installation on walls, ramps, outside or on wet surfaces.

CFS are not responsible for any product failure if floor preparation and installation procedures are not followed. Use only CFS approved installation materials.

The instructions in this document do not cover all floor conditions. If you have any questions concerning these instructions or about the stability of CFS products over surfaces or conditions not covered in these instructions, please contact your local Carpet & Flooring branch.

It is the responsibility of the installation contractor to test the floor to make certain it is properly prepared and ready for installation of CFS products.

All CFS products should be inspected for dye lot, style, colour, size, quality and shipping damage prior to installation. Do not install CFS products if any problems are noted.

Check and Acclimatise

Batch Number - Before commencing to install our products please check all broadloom or sheet rolls are from the same production lot or batch number. This number can be found on the paperwork attached to each roll. In view of slight colour variations occurring in production, it is important that batches are not mixed.

The room temperature (minimum 18°C) and humidity should be constant at least 24 hours before and after the floor is laid.

Underfloor Heating

If rolls are to be installed on an underfloor heating system, then the maximum surface temperature of the heating system must not exceed 27°C. The underfloor heating should be switched off for 48 hours before and after installation.

Sub Floors/Floor Preparation

The floor must be structurally sound, and dry prior to installation of CFS products.

Any curing chemicals, sealers, finishes or other chemical treatments used on floors must be compatible with the CFS backing and the CFS approved adhesive systems.

Clean the floor of all excess concrete spots, solid debris or paint spots using suitable scraping methods. Completely remove all wax, dirt, grease, paints or old adhesives. DO NOT use solvents to clean the floors. Sweep and vacuum the whole area. Make sure all perimeter areas are clean. Smooth nonporous floors should be damp mopped prior to product installation. All dust must be removed to ensure proper adhesion on CFS products.

All porous, gritty, chalky and dusty surfaces must be effectively primed. All patched areas must be fully primed.

Surfaces that are nonporous do not require a primer. The surfaces that must be cleaned as noted above.

Primer can be applied using a paint roller. Allow the primer to dry completely or follow manufacturer's instructions prior to continuing with the installation.

Additional sub floor information: Where laying on uneven timber floors or on floors with gaps between boards, lay plywood or hardboard (rough side uppermost) over existing floorboards and nail or staple them down in a 6" grid pattern.

If the subfloor is concrete and is uneven or has broken plastic or vinyl tiles, which cannot easily be removed, it should be made level with a latex screeding compound. Carpet may be laid on wood parquet or quarry tile floors providing the subfloor is prepared adequately and has a functional damp-proof membrane.



Adhesive Application

CFS recommended adhesives are displayed on the reverse of each sample folder.

Gel or foam backed ranges should be fully bonded to the floor using a suitable permanent adhesive.

Textile backed products can be stretched on underlay, or adhered to special underlay systems, if installed in an appropriate location.

All sheet ranges should be fully bonded to the floor using a suitable permanent adhesive.

In extra heavy wear areas, including areas where there will be wheeled traffic, or where intense stiletto heel traffic is anticipated, we recommend the use of a permanent adhesive.

Please note that manufacturers guidelines on the adhesive application must be followed at all times, to ensure that you are obtaining the maximum adhesion expected when in-stalling CFS products.

Broadloom Installation

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/joins 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 electroseaming 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 tackles 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 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 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 tackles gripper can also be used around the perimeter of the room for extra security of fixing.

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 tackles 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.

Broadloom Fitting

Depending on the type of subfloor and the location, the tackles 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%.

These products must be bonded permanently to a suitable subfloor following the 'Direct Adhesion' method.

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

