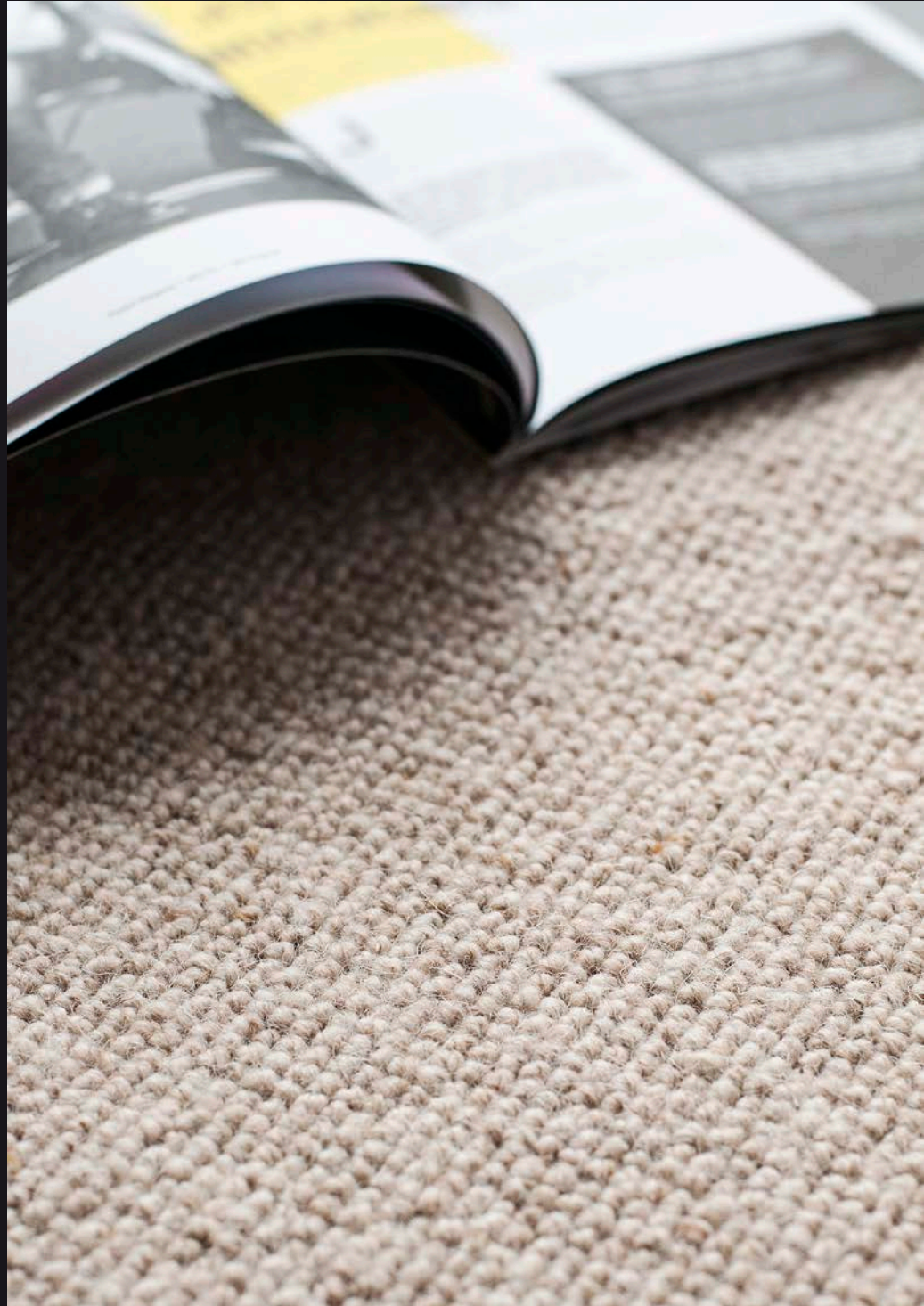


Installation instructions

broadloom



danfloor

ulster
An Ulster Group Company

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Table of contents and general rules

The backing is an important part of a carpet; both during daily use and when the carpet has to be fitted. These installation instructions are based on the backing types with which our carpets are delivered.

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As a possible need for preparatory work as well as the choice of fitting method always has to be evaluated in accordance with the local conditions danfloor cannot be held responsible for the performance of the work, whether or not our instructions are followed. The use of adhesives and other materials should always be in accordance with the recommendations of the manufacturer.

Because the danfloor backing is an important part of the carpet both as to installation and in use, this instruction is based upon the backing types our carpets are delivered with as standard.

Methods as to danfloor backing types

The fitting instructions are valid for the following products with::

- A.** Domestic foam – SG/SV, with/without pattern
- B.** Contract foam backing – KT Foam. Woven textile backing – TD Textile backing
- C.** Laminated textile backing – UT Ultra Light Bac®
- D.** Laminated Felt backing – UV Ultra Light Vlies®
- E.** Tiles – Bitumen backing
- F.** WB – Contract backing

Method (see description)	Flat adhesion					Loose laying	On grippers
	Wet adhesion	Easy release system	Wet fixation	Tackifying	Dry fixation		
A - SG/SV	+	++	++	O	+	+ ¹	O
B - KT/TD	++ ²	++ ²	O	O	O	O	O/+
C - UT	++	++	O	O	O	+ ³	O/+
D - UV	+	+	O	O	O	+ ³	O
E - Bitumen	+	+	O	++ ⁴	O	O	O
F - WB	++ ²	++ ²	O	O	O	O	O

O = Not suitable

+ = Suitable

++ = Very suitable (recommended)

1. Cuts of less than 25 m² – are to be edge fixated with tape or adhesive
Cuts larger than 25 m² – should always be full fixated.
2. Cuts of less than 25 m² – are to be full fixated.
Cuts larger than 25 m² – are to be full fixated.
3. Cuts of less than 25 m² – can be edge fixated with danfloor Microtape or adhesive.
Cuts larger than 25 m² – should always be full fixated.
4. For fixation of carpet tiles a special fixation adhesive is required.

NOTE! When installing cuts of less than 25 m² full fixation should always be applied where the carpet is exposed to extra heavy loads e.g. from castor chairs, traffic with trolleys, pallet trucks or in heavy traffic areas.

Description of method:

Full fixation: Fixation of the carpet on the whole floor surface, by one of the following methods:
 Wet adhesion: Fitting with a wet dispersion adhesive applied by a trowel.
 Easy release system: Fitting with a wet dispersion adhesive applied by a trowel on a slip-primed sub floor.
 Wet fixation: Fitting with a fixation adhesive applied by a roller. (Only filled sub floor)
 Tackifying: Fitting with a finger dry adhesive. (Only filled sub floor)
 Dry fixation: Fitting on a fully adhered underlay with full surface danfloor Micro-Tape.

Loose laying: Loose laid, where the ends and/or edges are fixed with tape, adhesive or danfloor Micro-Tape.

On grippers: Stretching and fastening on grippers with an underlay of felt.

General guidelines for danfloor Carpets

Surface

- Has to be clean, dry, and uniformly absorbent. Further without oil or grease stains. Pay extra attention when applying a vinyl floor.
- Has to be level, solid, and firm, without cracks and edges.
- Heavily absorbent underlay should be preliminary treated with a primer.
- The humidity of concrete sub floor must not exceed 90% RH.
- The floor heating has to be turned off and cooled down before the installation and until 2 days after.
- The installation must take place at the recommended room climate for the glue type, normally 17-25° and a humidity of 35-75% RH.

Carpet, Fixation:

- Place the carpet and the materials in the room in question min. 24 hours before fitting is initiated. It is important that the carpet and possible adhesive are acclimatised, especially during the winter months due to fluctuations in temperature.
- Before cutting the carpet must be inspected for visible faults. In case of such the supplier must be contacted for further agreement before the work is continued. If not we always make a reservation in the treatment of a complaint.
- Application of adhesives, tapes or other material must always take place in accordance with the recommendations of the manufacturer.

Placing of the carpet lengths:

- If more lengths are to be joint they must be placed in the same direction (note the direction indicator on the back). Only carpet material from the same production has to be applied in the same room.
- Placing an order of yarn-dyed qualities, i.e. Classic Contract and Master Basic and "solution-dyed" qualities, a very homogeneous colour progress is ensured and colour differences between the lengths from the same lot will not occur.
Placing and order of piece-dyed qualities, i.e. Eton Basic, Eton Ribs, Eton Tweed and Baltic Basic, the fitter is responsible for laying the carpet according to our installation guide. This installation guide is at the same time the production- and colouring order. Hereby we try to ensure that visible colour differences between the carpet lengths do not occur, as from the beginning till the end of a larger colouring procedure a minor colour difference may occur.
- As a principal rule the lengths have to be installed with the joints perpendicular (90°) to the most light-giving window wall.
- In order to obtain the best result the joints should be avoided in the most exposed places.
For instance in doorways, entrances and under castor chairs.
- When fitting carpets on stairs it should always be protected by nosings.

After installation:

- After the installation and until in use the carpets should be protected against damage and soiling from traffic and subsequent craftsmen. It is the responsibility of the craftsmen that the covering is properly and in consideration of the strain before use. Under all circumstance the carpet must be protected from direct sunlight during the installation until 2 days after.

danfloor Carpets with domestic foam (SG and SV)

A danfloor carpet with foam backing is most suitable for most living-quarters with moderate traffic. It gives increased walking comfort and is more absorbent as to steps than carpets with a firmer backing.

Installation methods

Loose laying can take place when installing cuts of less than 25 m².

The loose laying is made by fixing the edges with double adhesive tape in minimum 50 mm width along the end walls. In case of possible joints, double adhesive tape is applied in the middle of the joint, which can be strengthened with a strip on each side.

Cuts of more than 25m² should always be applied through full fixation. The full fixation can be made by either:

- Wet adhesions, easy release system, wet fixation or dry fixation.

The strongest adhesion is always obtained through the wet adhesion but with regard to the under lay the adhesive is often applied as "late" wet adhesion in order that the water influence is diminished.

danfloor Carpets with domestic textilebacking Ultra Light Bac® / Textile (UT)

danfloor carpets with UT (Ultra Light Bac®) are most suitable for all living quarters. The backing has been developed especially against the big demands on the environment. The carpets are produced/backed on a unique unit, where the UT textile is laminated to the carpet.

The obvious advantages are; that the pile content, mother rolls, lamination and UT are polypropylene and recyclable and can be reused for new products after a life as a carpet. Further the method gives larger form stability than similar carpets produced conventionally.

Loose laying only to be applied when installing cuts of less than 25 m²

Double adhesive tape will normally not be sufficiently enough for this backing type. The carpet is thus fixed at the ends by wet fixation. The carpet is fixed to the sub floor in approx. 30 cm. width among the end walls. Joints are also fixed with 30 cm on each side of the joint. As an alternative danfloor Microtape is used for end fixation and joints.

Full fixation should be applied when installing cuts of more than 25 m² in the same room. Applying wet adhesion or **dry fixation** can make full fixation by **danfloor Microtape**.

NOTE! This tape has been developed especially for the UT backing, if other products are used any product guarantee is repealed.

Wet adhesion is the strongest, but with regard to the sub floor the adhesive is often applied as "late" wet adhesion in order that the water influence is diminished. The adhesive is applied to the prepared sub floor with a trowel according to the instructions from the supplier. By priming with for instance Casco Slip-Primer 3443 unnecessary damage to a sensitive sub floor is avoided.

danfloor Carpets with Ultra Light Vlies® /felt (UV)

danfloor carpets with UV (Ultra Light Vlies®) are most suitable for all living quarters. The backing has been developed especially against the big demands on the environment. The carpets are produced/backed on a unique unit, where the UV felt is laminated to the carpet.

The obvious advantages are; that the pile content, mother rolls, lamination and UV felt are polypropylene and recyclable and can be reused for new products after a life as a carpet. Further the method gives larger form stability than similar carpets produced conventionally.

Loose laying only to be applied when installing cuts of less than 25 m²

Double adhesive tape will normally not be sufficiently enough for this backing type. The carpet is thus fixed at the ends by wet fixation. The carpet is fixed to the sub floor in approx. 30 cm. width among the end walls. Joints are also fixed with 30 cm on each side of the joint. As an alternative **danfloor Microtape** is used for end fixation and joints.

Full fixation should be applied when installing cuts of more than 25 m² in the same room. Applying wet adhesion or dry fixation can make full fixation by **danfloor Microtape**.

Note! This tape has been developed especially for the UV backing, if other products are used any product guarantee is repealed.

Wet adhesion is the strongest, but with regard to the sub floor the adhesive is often applied as "late" wet adhesion in order to diminished water influence. The adhesive is applied to the prepared sub floor with a trowel according to the instructions from the supplier. By priming with for instance Casco Slip-Primer 3443 unnecessary damage to a sensitive sub floor is avoided.

danfloor Carpets with contract foam backing (KT)

danfloor carpets with contract foam are suitable for most living quarters, i.e stairs and corridors with heavy traffic. danfloor carpets with this backing have been developed especially for the demands on the contract market. These carpets are often used in business premises, offices, hotels, restaurants and cinemas. Typically the carpets have been tested and found suitable for instance for castor chairs, which calls for heavy demands on the carpet (see the technical specifications for each quality)

Installation:

Full fixation should be applied at all installations. And **always** when rolling stock such as castor chairs are used afterwards, or if the carpet is exposed to more traffic than in private homes. Full fixation can be made by wet adhesion, easy release or dry fixation.

Wet adhesion is the strongest, but with regard to the sub floor the adhesive is often applied as "late" wet adhesion in order that the water influence is diminished. The adhesive is applied to the prepared sub floor with a trowel according to the instructions from the supplier.

Easy release system is used where a quick and economic replacement of a carpet is wanted with a minimum damage to the sub floor. The sub floor is primed with a slip primer. Then dispersion is applied with a trowel. At the following dismantling of the carpets the primer and dispersion adhesive will delaminate which minimise the following preparing of the sub floor. Also follow the instructions of the adhesive supplier.

Joints can be very difficult, however skilled craftsmen should not have any problems. Loop products, such as Eton, are installed so that the structure of the loops engages like a zipper. In case of long lengths it is unlikely to keep this effect all through the joint length. The best result is achieved by holding the cutter a bit on the slant against the length, which is to be joined.

danfloor Carpets with textile backing(TD)

danfloor carpets with textile and Ultra Light Bac backings are delivered for both the commercial and domestic market (See the technical data for each quality)

Installation:

Loose laying is only to be applied when installing cuts of less than 25 m².

Double adhesive tape will normally not be sufficiently enough for this backing type. The carpet is thus fixed at the edges with glue or installed on grippers. The carpet is glued to the sub floor in approx. 30 cm. width along the end walls. Joints are also glued on approx. 30 cm. on each side of the joint.

Full fixation should be applied when installing cuts of more than 25 m² in the same room. And always when rolling stock such as castor chairs are used afterwards, or if the carpet is exposed to more traffic than in private homes. Wet adhesion, easy release or dry fixation can make full fixation.

Wet adhesion is the strongest, but with regard to the sub floor the adhesive is often applied as "late" wet adhesion in order that the water influence is diminished. The adhesive is applied to the prepared sub floor with a trowel according to the instructions from the supplier.

Easy release system is used where a quick and economic replacement of a carpet is wanted with a minimum damage to the sub floor. The sub floor is primed with a slip primer. Then dispersion is applied with a trowel. At the following dismounting of the carpets the primer and dispersion adhesive will delaminate which minimise the following preparing of the sub floor. Also follow the instructions of the adhesive supplier.

Joints can be very difficult, however skilled craftsmen should not have any problems. Loop products such as Eton are installed so that the structure of the loops engages like a zipper. In case of long lengths it is unlikely to keep this effect all through the joint length. The best result is achieved by holding the cutter a bit on the slant against the length, which is to be joined.

danfloor flatwoven and Wilton woven carpets.

danfloor flatwoven (**Classic Contract**) and Wilton woven (**Master Basic**) carpets are suitable for every living quarters, hereunder stairs and corridors with heavy traffic. These carpets have been developed especially for the demands on the contract market. Often they are used for business premises, offices, conference rooms, hotels and restaurants. The carpets have been tested and found suitable for caster chairs, which demand a lot from the useful quality. (See the technical data for each quality) The difference between these carpets and tufted carpets is that the yarns are literally woven in between chain, tie and weft yarns. This construction makes the carpets extra durable and with an extreme useful quality.

Installation:

Sub floor:

Flatwoven and Wilton woven carpets are very regular woven, which demands a lot from the sub floor to obtain a good result. The sub floor must be completely flat, because any unevenness will be visible after installation. Thus we recommend that the sub floor be prepared for cracks and unevenness.

Full fixation should be applied at all installations. And always when rolling stock such as castor chairs are used afterwards, or if the carpet is exposed to more traffic than in private homes. Wet adhesion, easy release or dry fixation can make full fixation.

Wet adhesion is the strongest, but with regard to the sub floor the adhesive is often applied as "late" wet adhesion in order that the water influence is diminished. The adhesive is applied to the prepared sub floor with a trowel according to the instructions from the supplier.

Easy release system is used where a quick and economic replacement of a carpet is wanted with a minimum damage to the sub floor. The sub floor is primed with a slip primer. Then dispersion is applied with a trowel. At the following dismounting of the carpets the primer and dispersion adhesive will delaminate which minimise the following preparing of the sub floor. Also follow the instructions of the adhesive supplier.

Joints:

Classic Contract - Flat woven

- Lengths are rolled out with approx. 3 cm overlapping. Then the glue is applied leaving approx. 30 cm edges without glue. Then the cut is made through both layers along a steel rail with a sharp straight cutter.
- Then the joints match perfectly and the left over 60 cm are glued and rolled. A skilled craftsman can glue both lengths 100% before cutting.
- Joints across are to be avoided, since unweaving is difficult to avoid at flat woven carpets. At for instance pillars or the like the cut is made in the production direction.

Master Basic – Wilton woven

- The lengths are delivered with a woven edge, which is cut with a sharp carpet cutter approx. 2 cm from the pile edge by following the burling thread. The lengths are brought together to control that the lengths are on the straight thread. If that is not the case the joint has to be made as mentioned above along a steel rail.
- It is possible to make joints across, for the skilled craftsman it is possible to make a joint along a steel rail, because carpets such as Master Basic are interwoven.

danfloor Sisal Carpets with contract foam backing (SP)

danfloor Sisal carpets with contract foam are suitable for most living quarters, i.e stairs and corridors with heavy traffic. danfloor Sisal carpets with this backing have been developed especially for the demands on the contract and domestic market. (see the technical specifications for each quality)

It is the experience of the original and simple – inspiration from nature – which characterize the profile of danfloor Sisal Carpets. Sisal carpets are natural and fashionable.

Healthy surroundings

All danfloor Sisal carpets are made of vegetable fibre from the Agave-plant.

Unique qualities

Vegetable fibres have a number of advantages. As an example vegetable fibres can breath; they can absorb and give off moisture, until they are at balance again. Therefore they contribute to a healthy indoor climate. Especially in very warm and dry rooms they work as a free air-conditioning plant. Vegetable fibres give off heat and comfort, they wear well and age in an optical beautiful way, and thanks to the originality and genuineness they make a pleasant climate.

Vegetable fibres are good all year, they seem cool in summer and warm in winter. Carpets of vegetable fibres are non static electric, and are therefore suitable in rooms where persons or devices (eg computers) react sensitively to static electric. Another advantage, worth mentioning is that vegetable fibres are sound insulating – in other words – they have an outstanding sound insulation ability.

Installation:

Cuts **should always** be applied through full fixation. The full fixation can be made by either::

- Wet adhesions or easy release system.

The strongest adhesion is always obtained through the wet adhesion but with regard to the under lay the adhesive is often applied as "late" wet adhesion in order that the water influence is diminished.