

# Laying Instructions No. 1

Flat woven carpeting and woven carpeting with features as roll carpet with finish and SonicWave

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## 1.0 Foreword

These laying instructions are intended for experienced flooring layers and do not claim to be complete. The information contained in these laying instructions is of a general nature. The warranted properties of the carpeting and carpeting tiles can only be utilized in the long term through proper laying in accordance with the current commentaries of the “General Technical Rules” ATV/VOB\*, Part C, DIN 18365 and the most recent instruction sheets and guidelines.

All construction materials, auxiliary materials and substances used must have the appropriate properties such that – when matched to each other – they permit a functional construction. They may not have any negative effects on the floor covering or on the structure as a whole.

For this reason alone, it is important to comply with the recommendations and working instructions of the construction and auxiliary material manufacturers, e.g. of glues and fillers. Should their statements differ, you must compare the information of the manufacturers involved.

Please be sure to observe our “Supplementary Laying Instructions”, which you can download from our website [www.anker.eu](http://www.anker.eu) under Service -> Downloads.

### 1.1 Ambient conditions

To avoid damage, the carpeting must absolutely be allowed to adapt to the room climate before laying. For this purpose, lay it out unworked in the room for 12 hours. Narrow parameters with respect to ambient conditions must also be observed when using today's common water-based dispersion adhesives to glue carpeting.

## 2.0 Laying procedure

### 2.1 Preparing for laying

Only lay carpet lengths from the same batch together. To avoid difficulties in the event of any color deviation, carpeting should always be laid with the respective cut outer edges in contact. This is best achieved when the carpeting is laid continuously, i.e. as much as possible without regard as to where in the room the resulting seams will end up – however under consideration of German contract procedures (VOB)\* or national equivalent standards.

The cut lengths are then laid out on the prepared subsurface. Verify the fabrication direction one more time. Also be sure to check that the fabric appearance is uniform and that the lengths are in the correct order.

#### (\* Source for VOB

Inter-association commentary on the “General Technical Regulations ATV/VOB, DIN 18365 Flooring works”, 1st current edition (September 2016).

Then make rough cuts in the respective lengths as needed to accommodate wall projections, niches etc. so that the carpeting lies as flat as possible.

For all woven ANKER carpeting, note that the carpeting edges (protective edges) must be individually trimmed in the pile groove. The ground warp must never be cut, i.e. damaged or otherwise removed. The cut should be made about 1.5 – 2 cm from the outside of the edge – for patterned floor coverings naturally under consideration of the repeat across.

On jacquard-woven carpeting, trim the edges between the filled protective edge, which has a different color, and the actual carpeting.

The Mittag seam cutter is recommended for simplifying this process. This tool is pushed against the carpeting to be cut through the groove with a light pressure and a loose, flexible wrist.

## **2.2 Repeat differences**

As carpets as flexible, wide-area structures generally show distortions on account of their special characteristic, laying of repeat pattern carpeting is only possible using suitable stretchers. Without such tools, laying this kind of carpeting is not possible in practice

Additionally, we strongly recommend that the client and the contractor arrive at an agreement within the context of the existing maximum values.

The annotations to the German contract procedures VOB (\*) enumerate what distortions the carpet-layer must accept on delivery of repeat pattern carpeting. According to these, repeat distortions may not exceed certain orders of magnitude.

If the differences are greater than the tolerance values, the carpet layer must cease work and contact the carpeting manufacturer without delay. Once laying is completed, the carpet layer cannot under any circumstances complain that he received distorted merchandise in which the repeat was faulty.

## **2.3 Laying**

Carpeting is always laid using the folding method. In this method, the carpeting is folded back along its long sides across its width so that glue can be applied to the subsurface.

The carpeting length from which you start (length 1) is folded back approx. 2/3 and the length you are working toward (length 2) is folded back 1/3. Stand on the corresponding carpeting length so that this cannot slip.

Using a toothed spreader, spread the glue evenly on the subsurface in curves.

## **2.4 Attention – please note**

In variance to the VOB commentary, flat-woven low-pile carpeting structures do not accommodate visible unevennesses greater than 2 mm over a length of three meters, unless they are provided with an additional backing variant. Consequently, the values set out in DIN 18202, part C, section 3 Execution, 3.2 Dimensional tolerances, table 3, are not acceptable, as they are highly visible in the surface of the glued carpeting

and thus have a negative visual impact. For this reason, be sure to observe significantly greater requirements with regard to the flatness tolerance. The contractor should therefore clarify early on what subsurface work is necessary for optimum laying.

Particularly in the above flat-woven ANKER qualities, the glue is applied with an A2 toothing, but on account of the flat and open structure an airing time of approx. 10 minutes should be observed before the carpet is laid in the glue bed and worked further.

In this connection, please note that trowel marks in a filled surface are a sign of poor workmanship and are thus not subject to the flatness tolerances.

This prevents glue residues from penetrating into the pile layer during further working (walking, kneeling). If these 10 minutes are not available, it may in exceptional cases be useful to smooth the grooves using a neoprene roller, so that the carpeting backing is laid in a smooth, contourless glue surface.

You can eliminate any gaps appearing between the lengths by applying pressure using a knee kicker. Using a seam stretcher is preferable, however.

Without a tool like this, an overlap of one nub row is more convenient when laying the carpeting in the glue bed, as the "excess" material can be pressed into the glue bed.

Length 2 is now folded back as far as the glue application, and length 3 is folded back approx. 1/3 its width. Now apply the glue, lay down the lengths, and press down and rub length 2 and then length 3 as described above. Then glue the rest of length 3, etc. It is extremely important to thoroughly rub down or roll the carpeting with a 50 kg wheel.

### **3.0 Glue recommendation**

We recommend the glues listed in our "Supplementary Laying Instructions" for gluing ANKER carpeting. Naturally, you are free to use a comparable product of your choice – on your own responsibility.

In principle, all carpeting for which the product descriptions specify a glue are excluded from this, so that all requirements for CE certification can be met with respect to fire behavior. The glues are a part of the fire testing that is one element of CE certification. If glues other than those specified in the product description are used, the stated fire behavior pursuant to DIN EN 13501-1 and thus the CE certification are no longer legally valid.

Would you like to learn more about carpeting? We recommend the book "Teppichboden, der textile Tausendsassa", published by Holzmann-Verlag – ISBN 978-3-7783-0887-5.

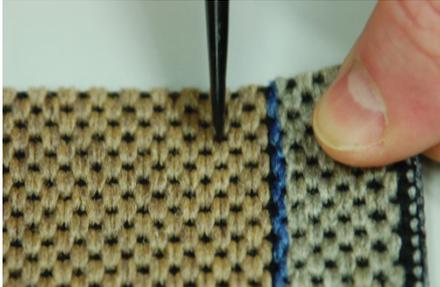
We also recommend our website [www.anker.eu](http://www.anker.eu), where you can obtain even more interesting information under "Service -> Downloads".

If you still have questions, please give us a call. We'll be happy to help you:

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# Attachment: Flat 01 - 03 cutting instructions

**Flat 01**



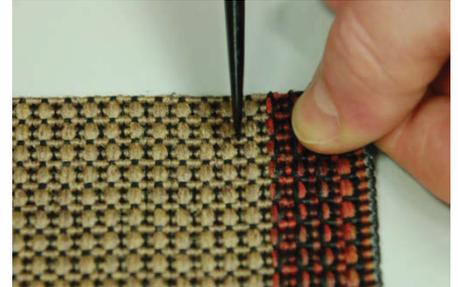
Close-up of knife placement: the carpeting is cut exactly between the large nubs of a nub row.

**Flat 02**

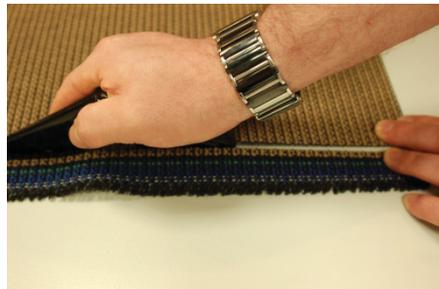


Close-up of knife placement: the carpeting is cut exactly in the spacing between the nub rows.

**Flat 03**



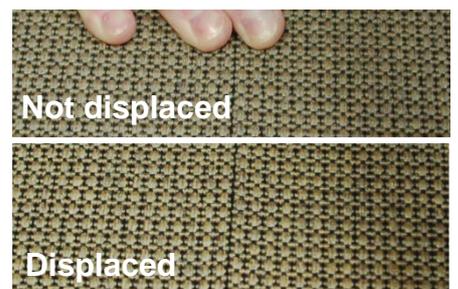
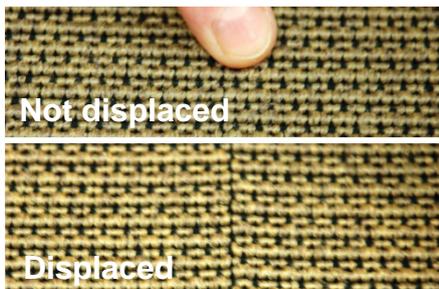
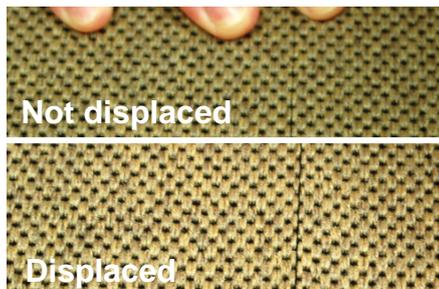
Close-up of knife placement: the carpeting is cut exactly in the spacing between the nub rows.



Press the knife through the entire nub groove using a loose, flexible wrist. To simplify the cutting process, pull back the cut-off protective edge while cutting. Maintain the pressure on the knife point using the palm of your hand.



A proper cut must look like this. You can examine the cut surface from the side. It must look uniformly dark. Cutting must always be repeated whenever any pile material is visible.



Now apply the glue with an A2 tothing (TKB) and allow it to air for approx. 10 minutes. Then lay and glue the cut lengths in the glue bed. With or without displacement - both variants are permissible.