

## Installation Recommendations – noraplan<sup>®</sup> floor coverings

The **subfloor** must fulfil the requirements of the country-specific standards regarding the readiness for installation.

At the time of installation and of adhesive bonding, the subfloor temperature must be **at least 15° C**. Ensure that the noraplan<sup>®</sup> floorings have the required subfloor temperature. Especially in winter time, noraplan<sup>®</sup> floor coverings have to be stored on site for several days.

**Please make sure the material is properly stored on site. Rolls have to be stored upright!**



**wrong**



**correct**

Material defects which are visible before installation cannot be acknowledged when claimed after the installation.

We recommend to install noraplan<sup>®</sup> tiles in broadloom fashion.

Please also see our “**General remarks** for the installation of nora<sup>®</sup> floor coverings, stairtreads and accessories”.

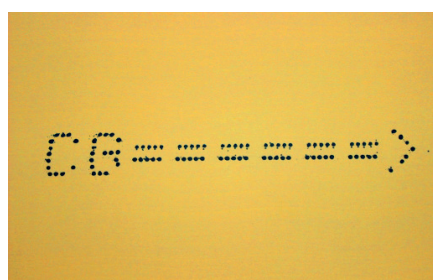
### Required tools for seam cutting



### Required tools for the installation



**Pay attention to the arrows on the floor covering's back; make sure these arrows are all pointing in the same direction.**

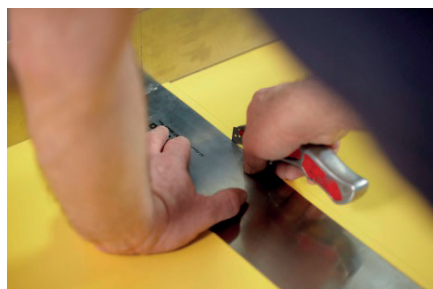


Always cut the seams before fixing. In case of butt joints these have to be cut **before** the cutting of the seams. The procedure is the same as described hereafter for the cutting of the seams.

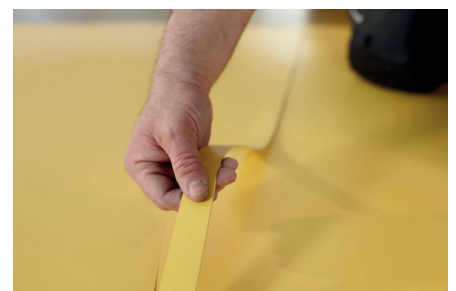
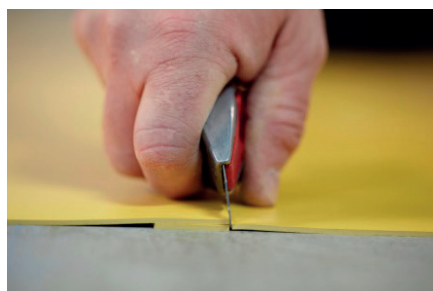
1. First measure the width of the sheet; after the cutting of the seam the width of the sheet must not exceed 1.22 m resp. 1.20 m (ultra grip). Unroll noraplan<sup>®</sup>, overlap both sheets as much as necessary, placing the factory-cut edge over the uncut edge.



2. Straighten the factory-cut edge with the nora<sup>®</sup> seam cutter or a straight blade alongside a steel straight edge (approx. 1 cm off the factory-cut edge), thereby cutting into the sheet underneath, i. e. slightly slitting it. As an alternative to the nora<sup>®</sup> seam cutter a railcut (Wolff) can be used. A linocut, however, is **not** suitable.



3. In practice we found it best to detach the half-cut strip with a hooked blade. We do not recommend cutting the underlying edge after embedding the floor covering as this implies the risk of the seam being compressed.



- 4.** After seam cutting fold back half of the sheets.

Vacuum clean the subfloor and the back of the floor covering.



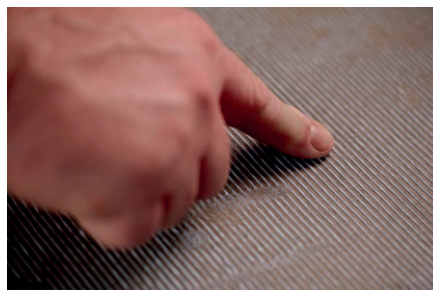
- 5.** Suitable adhesives are acrylic adhesives. We recommend the use of nora<sup>®</sup> AC 100\*. Apply the adhesive using the serrated blade recommended by the manufacturer.



- 6.** Move the noraplan sheets approx. 10-20 cm into the fresh adhesive to avoid an adhesive line.



- 7.** The required airing time depends on the temperature, the humidity and the absorptivity of the subfloor concerned. Therefore it has to be ensured that the adhesive's open time is exceeded on no account, i. e. it is imperative to embed the flooring while the adhesive is still fresh. Make sure the adhesive has properly transferred to the back of the floor covering. If the adhesive does not transfer to your fingertip anymore this indicates that the adhesive is already too dry and that a proper wetting of the flooring's back is often no longer possible. Please observe additional information provided by the manufacturer.



\*or comparable product by a different manufacturer. The suitability and processing as well as the consumption of the chosen adhesive can be gathered from the build-up recommendation and the technical data sheet.

8. When the floor covering is embedded, it has to be ensured that the entire back of the floor covering is completely covered with adhesive. Position flooring edges without applying pressure. Under no circumstances should they be pressed or crushed. If joints are to be sealed, the joint width must not exceed 0.3 mm.



9. Carefully rub the floor covering on its entire surface into place, for instance with a cork board. Then press it down into position both longitudinally and transversely with a heavy iron roller (approx. 50 kg). When acrylic adhesives are used, repeat this procedure after a while (depending on the temperature), in particular at the ends and seams.



### **Important information:**

Any adhesive residues on the surface of the flooring have to be removed immediately with nora<sup>®</sup> liquid wax.

During the installation and the bonding of the adhesive, noraplan<sup>®</sup> has to be protected against extreme heat or temperature fluctuations, e.g. as a result of direct sunlight or in rooms where glazed elements reach down to the floor.

The flooring seams may be sealed with nora<sup>®</sup> hot welding rod (see processing recommendation "Joint sealing") - 24 hours after installation at the earliest!

Only 72 hours after installation is the flooring fully serviceable.

Wet or damp cleaning may only be carried out after the adhesive has bonded, i. e. after approx. 72 hours. Please observe our detailed cleaning and maintenance recommendations for the installed noraplan<sup>®</sup> floor covering which can be downloaded from our homepage.

During the bonding of the adhesive, the installed floor covering must not be covered. Afterwards, a special material permeable to vapor diffusion should be used until inspection and approval. In entrance areas with heavy traffic it is recommended to set up door mats or similar of sufficient size.

### **Special note:**

When installing **noraplan<sup>®</sup> unita** and **noraplan<sup>®</sup> ultra grip** increased blade wear is to be expected with double seam cuts, cutting, milling, etc.

## **noraplan<sup>®</sup> ed and noraplan ec<sup>®</sup>**

### **In addition to the noraplan<sup>®</sup> installation recommendations the following has to be observed:**

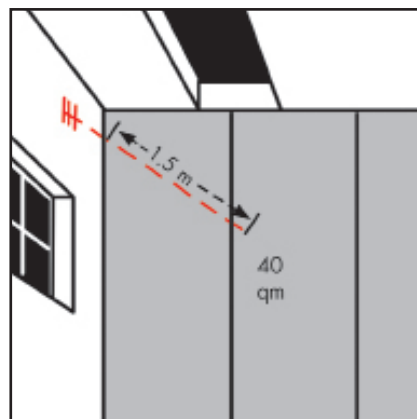
On principle, we disapprove of the use of conductive primers since they reduce the absorbency of the subfloor.

For the fixing a recommended electrically conductive adhesive has to be used. We recommend the use of nora<sup>®</sup> ED 120\*.

### **Electrical discharge**

The connection to the earthing point (responsibility of a qualified electrician) is carried out the same way with both noraplan<sup>®</sup> tiles and noraplan<sup>®</sup> sheets. A copper tape (self-adhesive, approx. 10.0 mm x 0.08 mm) is fixed to the prepared subfloor (approx. 1.5 m).

For rooms larger than approx. 40m<sup>2</sup>, at least two connections to the earthing points are required. Depending on the layout, more than two connections can be necessary.



Recommendations for the earthing in large rooms/areas can be provided on request as a PDF-download.

noraplan<sup>®</sup> ed floorings must always be joint-sealed with nora<sup>®</sup> 1 component cold weld. Joint sealing should take place no earlier than 24 hours after installation. Please be aware that the drying time for the cold weld is at least 12 hours (see processing recommendation "Joint sealing".)

### **Special note:**

If a minimum insulation for the protection of persons is required (see country specific regulations) it has to be ensured that the insulation of the flooring is not impaired by humidity. Also, in order to meet the minimum insulation requirements in joint areas, sealing with nora<sup>®</sup> 1-component cold weld is necessary.

\*or comparable product by a different manufacturer. The suitability and processing as well as the consumption of the chosen adhesive can be gathered from the build-up recommendation and the technical data sheet.



## **noraplan<sup>®</sup> acoustic (sheets)**

### **In addition to the noraplan<sup>®</sup> installation recommendations the following has to be observed:**

Acrylic adhesives are suitable for the fixing of noraplan<sup>®</sup> floor coverings with foam backing. We recommend the use of nora<sup>®</sup> AC 100\*.

Due to the foam backing of noraplan<sup>®</sup> acoustic a joint sealing with either nora<sup>®</sup> 1-component cold weld or nora<sup>®</sup> hot welding rod is necessary. Joint sealing should take place no earlier than 24 hours after installation (see processing recommendation "Joint sealing").

\*or comparable product by a different manufacturer. The suitability and processing as well as the consumption of the chosen adhesive can be gathered from the build-up recommendation and the technical data sheet.



### **Contact:**

Tel.:

UK +44 (0) 1788 - 513 160

DE +49 (0) 6201 - 80 66 33

UAE +971 (4) 450 817 5

E-Mail: [info@nora.com](mailto:info@nora.com)

[www.nora.com](http://www.nora.com)

### **Link to the video:**

[www.nora.com/installation](http://www.nora.com/installation)

