

## Installation Recommendations – norament<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 norament<sup>®</sup> tiles have the required subfloor temperature. Especially in winter time, the norament<sup>®</sup> tiles have to be stored on site for several days.

**Please make sure the material is properly stored on site. The tiles all have to be stacked accurately, face to face and back to back.**



**wrong**



**correct**

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

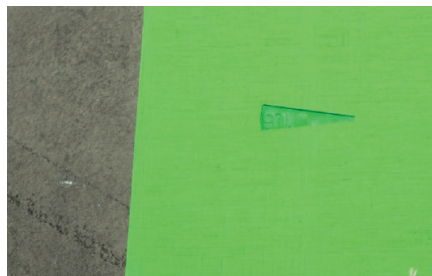
We recommend to install square norament<sup>®</sup> tiles in broadloom fashion.

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

### Required tools for the installation



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



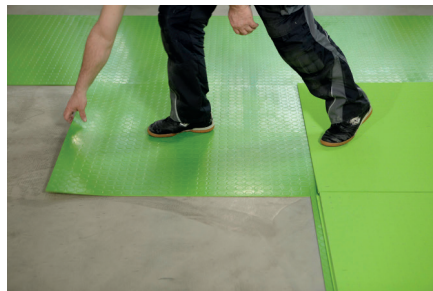
1. Vacuum clean the subfloor



2. Experience has shown that it is best to cover the whole room or larger subdivided areas with loose tiles first, and then cut the border tiles, tiles for door openings, pipe apertures, etc. This way the tiles can adapt to the temperature of the subfloor. It has to be ensured that no production residues are being brought onto the area yet to be installed or the back of the floor coverings.



3. Then the rows of tiles are turned over and fixed. This method has the advantage of avoiding crooked joints or the shifting of joints because the tiles positioned on the floor serve as a stop for the tiles still to be installed.



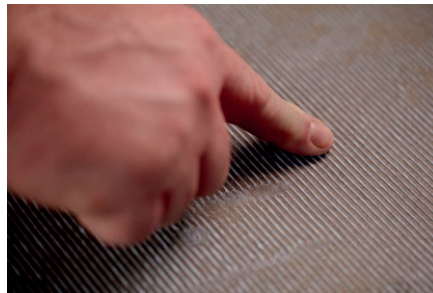
4. Vacuum clean the subfloor and the back of the flooring again before applying the adhesive.



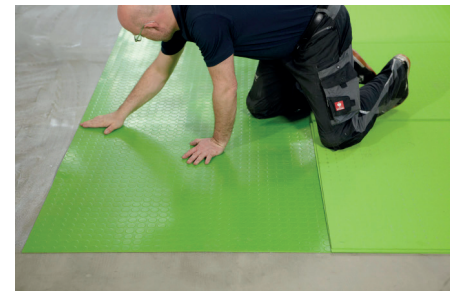
- 5.** Acrylic adhesives, PU adhesives or hybrid adhesives are suitable depending on the conditions. We recommend nora<sup>®</sup> AC 100 or nora<sup>®</sup> PU 102\*. Apply the adhesive using the serrated blade recommended by the manufacturer.



- 6.** The required airing time depends on the temperature, the humidity and the absorbency 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.



- 7.** Turn over the tiles and place them accurately into the adhesive.



- 8.** Carefully rub the floor covering on its entire surface into place, for instance with a cork board. Then press the tiles on the entire surface down both longitudinally and transversely with a heavy iron roller (approx. 50 kg). Depending on the temperature this procedure has to be repeated after a certain time. Counterbend projecting edges and corners, and press them on again. Hollow parts or the like have to be weighed down until the adhesive has properly bonded.



\*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.

**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, norament<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> 1-component cold weld (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 norament<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.

**Hints for the use of acrylic adhesive:**

- Acrylic adhesives must not be used for fixing norament<sup>®</sup> in high-frequented areas or areas which are going to be subject to heavy traffic, e. g. by lift trucks.
- Nor may acrylic adhesives be used for buildings with relatively high water entry (entrance areas) or for damp rooms.
- When using acrylic adhesives, too, we urgently recommend spreading the loose norament<sup>®</sup> tiles in the room or subdivided area and cutting the tiles to size prior to fixing as this ensures precise adaption of the norament<sup>®</sup> tiles to the climatic conditions.
- The use of acrylic adhesives always requires an absorbent subfloor levelled in accordance with the country-specific standards.

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

### **In addition to the norament<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**

A copper tape (self-adhesive, approx. 10.0 mm x 0.08 mm) is fixed under the full length of each row of tiles. These tapes are connected to each other by a cross tape at the far end and then to the earthing point (responsibility of a qualified electrician). For rooms larger than approx. 40 m<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.

### **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



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

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

