

## Installation recommendations for noracare<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. noracare<sup>®</sup> floor coverings must be acclimated to ensure that they have the required subfloor temperature. Especially in winter time, the noracare<sup>®</sup> flooring has 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.

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

If the joints are to be sealed (see page 5 ff.), there is no need for a double seam cut as the edges of noracare<sup>®</sup> floor coverings are factory-cut and ready for installation.

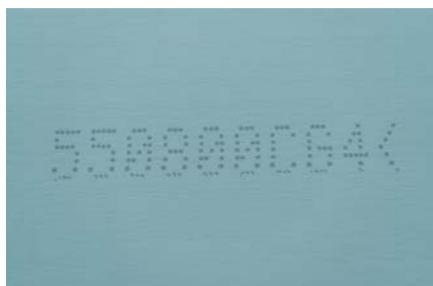
### Required cutting tools



### Required tools for the installation



**Observe the direction of the arrow on the back of the floor covering and always lay sheet materials 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.

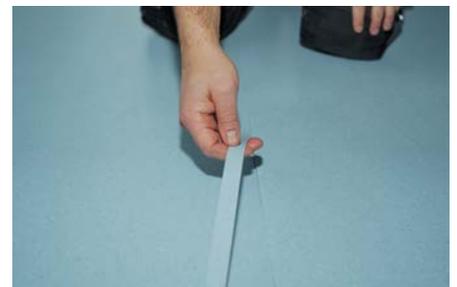
1. Unroll the sheets, overlapping both sheets 3 cm.  
Please note: The breadth of the sheet after the double seam cut must be < 1.22 m



2. Apply double-sided adhesive tape to a steel straight edge to avoid any movement.  
Straighten the edge with the nora<sup>®</sup> seam cutter alongside the 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> seamcutter 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 laying out the flooring, fold back the sheet half way. Vacuum the subfloor and the back of the floor covering sheet.



5. Dispersion adhesives are suitable. We recommend using nora<sup>®</sup> AC 100\*. Spread the adhesive using a notched trowel with TKB A2 notch size as 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 absorbency of the subfloor concerned. Therefore it has to be ensured that the adhesive's open time is exceeded on no account. Make sure the adhesive has properly transferred to the back of the floor covering. 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. Lay the flooring edges without applying tension. Do not compress or crush the edges under any circumstance. Joint widths 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, noracare<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.

Only 72 hours after installation is the flooring fully serviceable.

A wet or damp cleaning may only be carried out after the adhesive has bonded, i. e. after approx. 48 hours at the earliest. Please observe our detailed cleaning and maintenance recommendations for noracare<sup>®</sup> floor coverings 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:**

A higher consumption of blades can be expected when cutting noracare<sup>®</sup> uno.

It is advisable to wear gloves when installing noracare<sup>®</sup> floor coverings.

## Installation Recommendations – Joint sealing of noracare<sup>®</sup> floorings

noracare floor coverings can be sealed using nora<sup>®</sup> 1-component cold weld, alternatively nora<sup>®</sup> hot welding rod can be used.

Execution 24 hours after installation at the earliest.

If joints have to be sealed longitudinally as well as transversely 12 hours have to pass between the two work steps.

Joint sealing is not equivalent to a mandatory sealing according to any country specific standard.

We recommend nora<sup>®</sup> 1-component cold weld for the sealing of joints between nora<sup>®</sup> floor coverings and rising elements like masonry, door frames etc.

### A. nora<sup>®</sup> 1-component cold weld

A 300 ml cartridge with approx. 450 g nora<sup>®</sup> 1-component cold weld will produce approx. 20-25 r.m./cartridge, depending on the joint width.

**The cold weld paste must be allowed to settle and fully cure prior to being walked upon. Any spilt cold weld paste must be removed immediately as cleaning at a later stage is not possible.**

#### Required tools for the joint sealing with nora<sup>®</sup> 1-component cold weld

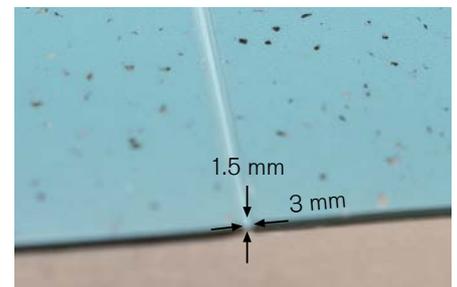


1. Apply nora<sup>®</sup> liquid wax to seam areas. Ensure that no wax penetrates the joints; if necessary, re-groove with the joint cutter. Leave liquid wax to dry completely!



2. Cut open or mill out joints centrally with the joint cutter or an electric milling machine (for noracare<sup>®</sup> uneo a diamond milling blade is advisable).

Joint width approx. 3.0 mm  
joint depth max. 1.5 mm



3. Remove milling chips (vacuum cleaner).



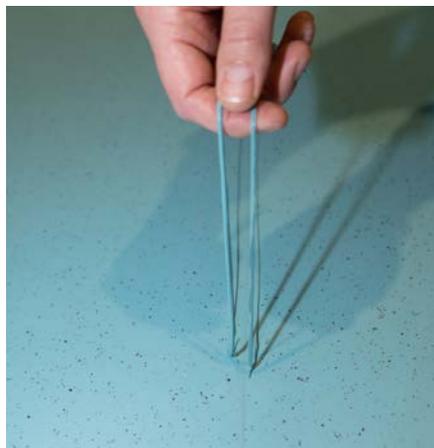
4. First seal the joints in one direction. After the cold weld has cured, seal the seams in the other direction. To do so the 1-component cold weld is spread into the joints without leaving any gaps until a small bulge develops above the seam.



5. Immediately after application the cold weld is pressed into the joint with the nora<sup>®</sup> smoothing spatula by running this evenly over the joint. Thereby, the surplus cold weld is pressed to the left and right of the joint. You have to make sure that the cold weld pressed to the sides is entirely separated from the compound in the joints. Hold the spatula in a position as flat as possible to avoid the development of hollow joints.



6. The surplus cold weld pressed to the sides can be removed after approx. 12 hours.

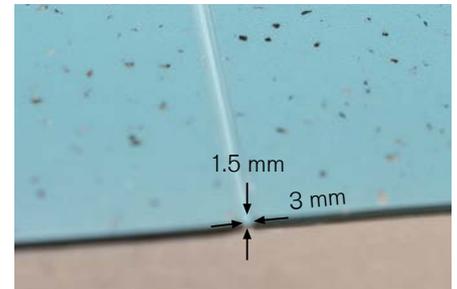
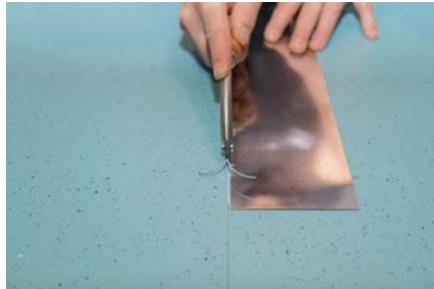


**Even if no initial cleaning is required after installation, wax residues must be removed approx. 12 hours after joint sealing and at least 48 hours after installation with a suitable basic cleaner or oil and grease remover and suitable method.**

As an alternative to nora<sup>®</sup> liquid wax, a suitable adhesive tape can be used when sealing the joints with nora<sup>®</sup> 1-component cold weld.

1. Cut open or mill out joints centrally with the joint cutter or an electric milling machine (for noracare<sup>®</sup> uneo a diamond milling blade is advisable).

Joint width approx. 3.0 mm  
joint depth max. 1.5 mm



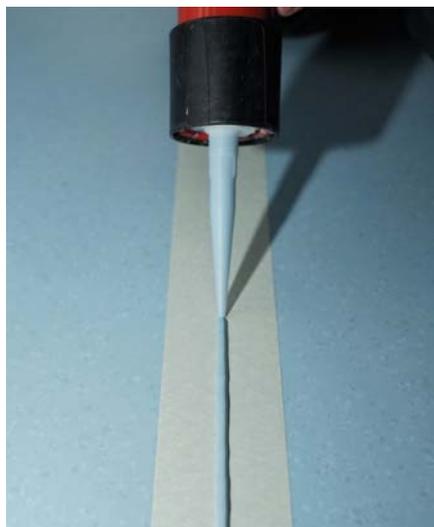
2. Remove milling chips (vacuum cleaner).



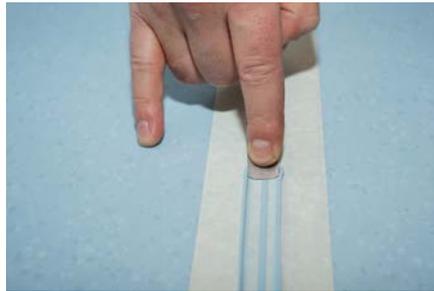
3. To prevent the nora<sup>®</sup> 1-component cold weld from adhering to the surface of the floor covering, apply the special masking tape (Werner Müller GmbH PVC-Kaltschweißsystem, Art. no. 50000) on the right and left side of the joint.



4. First seal the joints in one direction. After the cold weld has cured, seal the seams in the other direction. To do so, the 1-component cold weld is spread into the joints without leaving any gaps until a small bulge develops above the seam.



5. Immediately after application, the cold weld is pressed into the joint with the nora<sup>®</sup> smoothing spatula by running this evenly over the joint. Thereby, the surplus cold weld is pressed to the left and right of the joint. Hold the spatula in a position as flat as possible to avoid the development of hollow joints.



6. The adhesive tape can be removed immediately.



For further information regarding the procedure with the masking tape mentioned above, please visit the homepage of the manufacturer: <https://www.mueller-pvc-naht.de/en/products/type-a/>

When sealing joints with any cold weld paste it is state of the art that the compound will dip slightly during the curing process.

## B. nora<sup>®</sup> hot welding rod

Round, diameter approx. 4.0 mm

Packaging unit: Roll with approx. 100 r.m., weight approx. 1.3 kg/roll

Consumption: Sheets (1,220 mm wide) approx. 0.85 r.m./m<sup>2</sup>

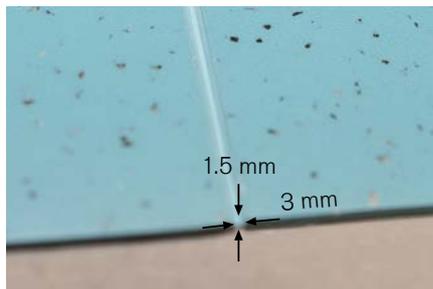
### Required tools for the joint sealing with nora<sup>®</sup> hot welding rod



1. The joints are milled out or cut open centrally with an electric milling machine and/or the joint cutter.



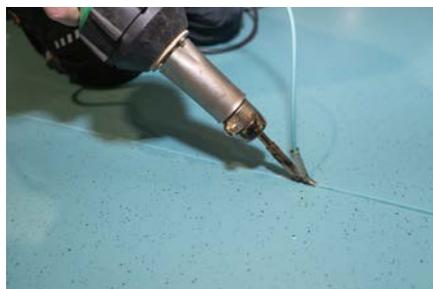
2. Joint width approx. 3.0 mm  
joint depth max. 1.5 mm



3. Remove milling chips (vacuum cleaner).



4. The hot welding rod is fitted using either the hand-operated hot welding gun with fast-welding nozzle\* or a welding machine with Teflon roller. The operation temperature of the device is reached when the hot welding rod wells out slightly on the left and right edge of the joint.



\*Fast-welding nozzle with small air vent to avoid glossy stripes or burns on both sides of the seam.

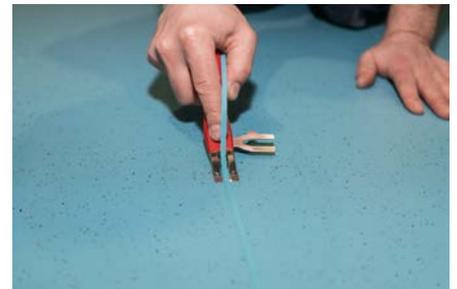
5. The processing temperature is max. 300°C. Set the speed to approx. 2.0 m/min. when processing the hot welding rod with a welding machine. The operating speed and temperature setting can be adjusted on most welding machines.



6. If the temperature cannot be set, adjust the operating speed accordingly.



7. Directly after welding use the Mozart knife with the 0.7 mm distance sledge to carry out the first cut.



8. After cooling down the second cut is carried out with the Mozart knife without the distance sledge.





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**Link to the video:**

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

