

Installation Recommendations – Joint sealing of nora[®] floorings

In general, the joints of nora[®] floor coverings do not have to be sealed on the entire surface.

However, joint sealing is recommended with moisture sensitive subfloors and in rooms which are subject to intensive wet cleaning (e. g. hygienic areas/operating theatres in hospitals and laboratories).

Joint sealing is mandatory for:

- nora[®] floor coverings with a foam backing (noraplan[®] acoustic)
- noraplan[®] ed floor coverings using nora[®] 1-component cold weld
- joints between floor covering and skirting S 3003 using nora[®] 1-component cold weld

Execution 24 hours after installation at the earliest.

(Exception: installations with nora nTx and nora dry adhesives)

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[®] 1-component cold weld for the sealing of joints between nora[®] floor coverings and rising elements like masonry, door frames etc.

A. nora[®] 1-component cold weld

A 300 ml cartridge with approx. 450 g nora[®] 1-component cold weld will produce approx. 20-25 linear metres/cartridge, depending on the joint width.

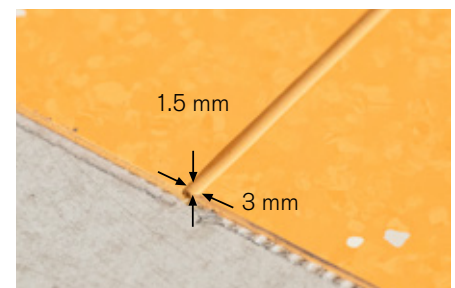
The cold weld paste must be allowed to settle and fully cure prior to being walked upon. Any spilt cold weld paste must be removed immediately as cleaning at a later stage is not possible.

1. Use of a thin painter tape

1. Cut open or mill out joints centrally with the joint cutter or an electric milling machine (for noracare[™] uno a diamond milling blade is advisable).

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

(Exception:
norament[®] 992 – joint depth 3.0 mm
norament[®] 945 – joint depth 5.0 mm)



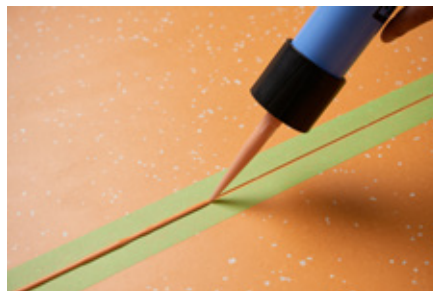
2. Remove milling chips (vacuum cleaner).



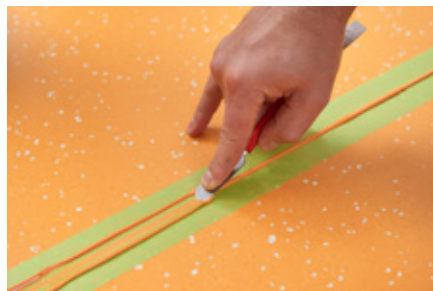
3. To prevent the nora[®] 1-component cold weld from adhering to the surface of the floor covering, apply a thin painter tape on the right and left side of the joint.



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 and smoothed with the big round shape of the nora[®] smoothing spatula. 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 adhesive tape can be removed immediately.



2. Use of a transparent adhesive tape of polyethylene foil (e. g. tesa 4646)

Before applying the tape you must ensure its adhesion to the surface of the flooring. If the adhesion is not sufficient, impurities on the surface like dust or release agents have to be removed prior to the application of the adhesive tape.

1. Apply the adhesive tape centrally over the joint and rub on thoroughly so that the tape adheres completely to the flooring.



2. Cut open or mill out joints centrally with the joint cutter or an electric milling machine. (Do not use battery powered milling machines as their number of revolutions is too little!) The milling speed can be adjusted; however, moving the machine too fast may lead to a fraying of the adhesive tape.

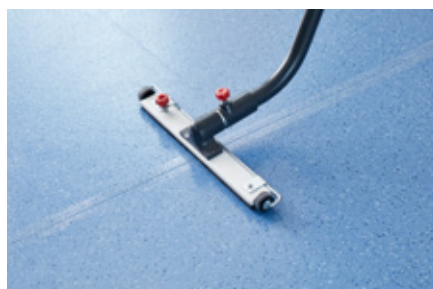


Joint width approx. 3.0 mm
joint depth max. 1.5 mm
(Exception:
norament[®] 992 – joint depth 3.0 mm
norament[®] 945 – joint depth 5.0 mm)

3. A joint cutter can be used to mill out the joints near the edges. As an alternative, a thin painter tape can be applied neatly on the left and on the right side of the joint..



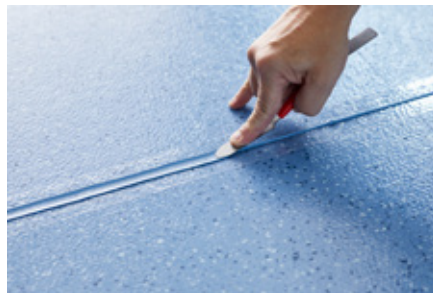
4. Remove milling chips (vacuum cleaner).



- 5.** 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.



- 6.** Immediately after application the cold weld is pressed into the joint and smoothed with the big round shape of the nora[®] smoothing spatula. 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.



- 7.** Remove the adhesive tape immediately after smoothing the joint by pulling it outwards at an angle.



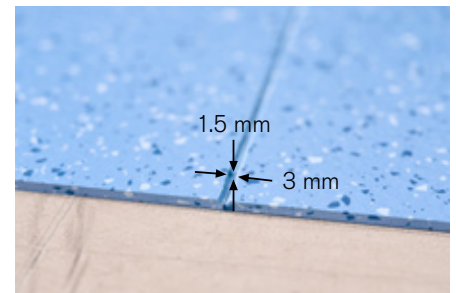
3. Use of nora[®] liquid wax

1. Apply nora[®] liquid wax to seam areas.
Leave liquid wax to dry completely!



2. Cut open or mill out joints centrally with the joint cutter or an electric milling machine.

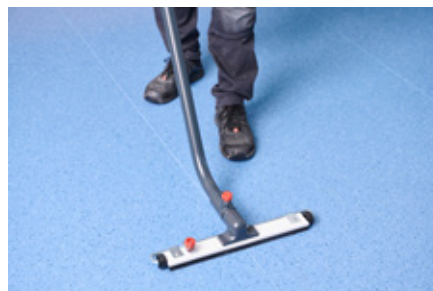
Joint width approx. 3.0 mm
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For shockfree milling on high pastilles, a steel straight edge is placed under the running wheels of the milling machine.



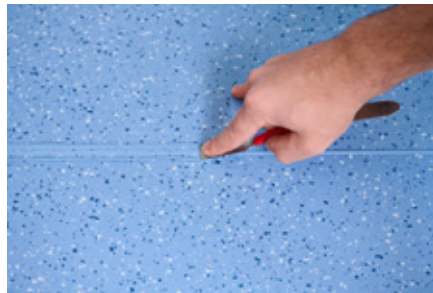
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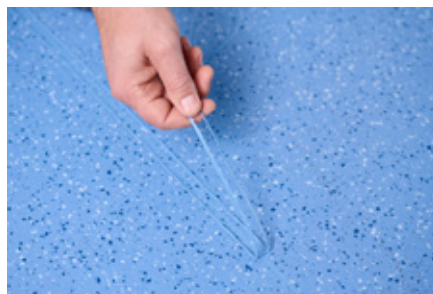
4. First seal the joints in one direction. After the cold weld has cured, seal the seams in the other direction. To do so the 1-component cold weld is spread into the joints without leaving any gaps until a small bulge develops above the seam.



5. Immediately after application the cold weld is pressed into the joint and smoothed with the flat side of the nora[®] smoothing spatula. 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.

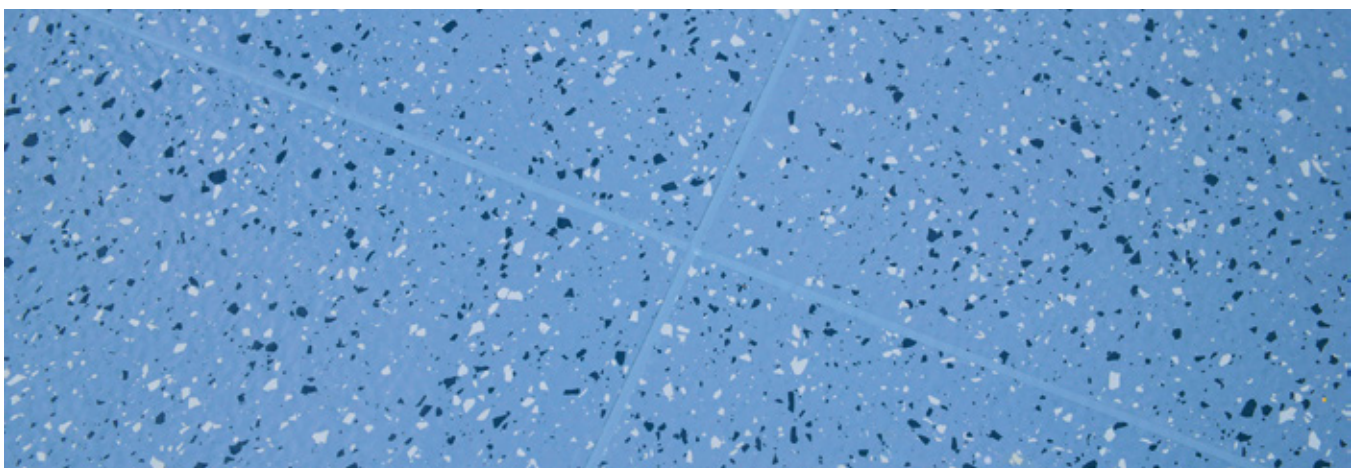


6. The surplus cold weld pressed to the sides can be removed after approx. 12 hours.



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.

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[®] hot welding rod

Round, diameter approx. 4.0 mm

Packaging unit: Roll with approx. 100 linear metres, weight approx. 1.3 kg/roll

Consumption:

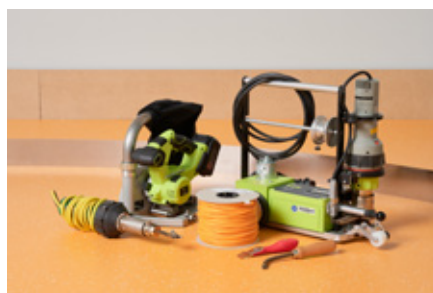
Sheets (1,220 mm wide) approx. 0.85 linear metres/m²

Tiles (610 mm x 610 mm) approx. 3.50 linear metres/m²

nora[®] hot welding rod is suitable for the joint sealing of all noraplan[®] floor coverings except noraplan[®] ed floor coverings which have to be joint-sealed with nora[®] 1-component cold weld.

The same tools are used as when sealing the joints of plastic floorings.

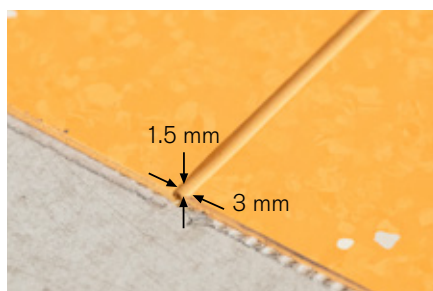
Required tools for the joint sealing with nora[®] hot welding rod



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



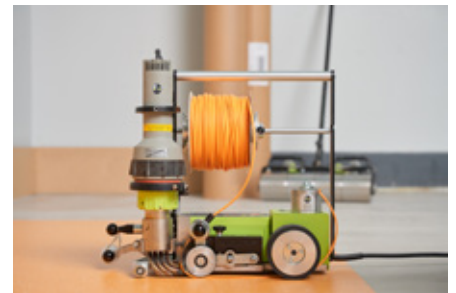
2. Joint width approx. 3.0 mm
joint depth max. 1.5 mm



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 (for noracare™ with small air vent) or a welding machine with Teflon roller. The operation temperature of the device is reached when the hot welding rod oozes out slightly on the left and right edge of the joint.



5. The processing temperature is 350-400° C (for noracare™ max. 300 °C). When using a welding machine to process the hot welding rod, set the speed to 2 linear metres/minute. 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.

Attention:

The welding speed is slower than the one used with linoleum or PVC.



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.



Special tools required in addition to the standard installation equipment:

Smoothing Spatula



120184

Mozart trimming knife



120622

Contact:

Contact details, local branches or authorised retailers, as well as other information can be found at www.nora.com.
E-Mail: info@nora.com

Link to the video:

www.nora.com/installation

