Installation recommendations – nora® stair solutions

Suitable subfloors are stairs made of wood, stone, screed (primed), metal as well as other hard and solid subfloors. The subfloor must fulfil the requirements of the country-specific standards regarding the readiness for installation.

The front edge of the step has to be straight and match the shape of the profile. Rounded or wavy edges prevent full adhesion of the stair tread at the edge - the area which is subject to maximum stress. The springiness of the edges at this point may cause damage to the adhesion and the stair tread itself.

Damaged or out of square (not right-angled) front edges have to be straightened with repair angles and levelled with nora® SF 1001*. Dusty and/or porous subfloors are primed with nora® PRP 101*. Uneven or excessively rough subfloors either at the wall or on the ground have to be levelled and smoothed.

At the time of installation and of adhesive bonding, the subfloor temperature must be at least 15° C. Ensure that the norament® stair treads have the required subfloor temperature. Especially in winter time, the rubber stair treads and profiles have to be stored on site for several days.

When installing stairs the stair angles and profiles for the landings (skirting and stringer) are always installed first (picture 1). Afterwards the norament® stair treads are installed or the stairs covered with noraplan®/norament® (picture 2).

Required tools for the installation of nora® stair solutions

Please also see our "General remarks for the installation of nora® floor coverings, stair treads and accessories".

*or comparable product by a different manufacturer. The suitability and processing as well as the consumption of the chosen product can be gathered from the build-up recommendation and the technical data sheet.
A. Stair nosing, stair angles, skirtings, stringer

As a string casing for right-angled steps, stair angles for the wall and banister side as well as profiles for the landings (skirtings and stringer) are available.

**Stair angles**
- For the wall side
  - TW 7006 U
    - Outer angle
  - TW 7005 U
    - Inner angle
- For the banister side
  - TG 7004 U
    - Outer angle
  - TG 7003 U
    - Inner angle

*nora® profiles* are made of rubber. In order to achieve a good adhesion and bonding, the back of the profile has to be cleaned thoroughly with a damp cloth.
1. First the stair angles are cut to size using the profile cutter. To do so, overlap the inner and outer angle for each section, then cut the two pieces to size from the back.

2. In addition, the rubber lip of the stair angles for the banister side is chamfered.

3. After that, use superglue to fix the angles together inseparably.

4. All stair profiles (other than the stair nosing T 5044*) are fixed with contact adhesive. The adhesive is applied abundantly to the subfloor and to the back of the stair angles using a brush. (It is not necessary to sand the back of the profile.) For bonding, the contact adhesive on both glued sides has to be touch-dry.

*The stair nosing T 5044 can also be fixed with nora® stepfix 240 because the length of the tread section has been extended to 7 cm.
5. Now the connected stair angles are glued to the wall in one piece. Immediately after being positioned, the profile is carefully pressed down and hammered into place with a light coloured rubber mallet.

6. On the banister side, place anti-adhesive paper over the contact adhesive and affix the stair angles from bottom to top.

7. In doing so, gradually remove the anti-adhesive paper and always tap the angles using a light coloured rubber mallet.

8. Continue the border strip by fixing the profiles with the same cross-section (skirtings and stringer) to the wall and banister side of the landings.
9. Always install noraplan® or norament® from the bottom step upwards. Cut a fitting riser (see part B „norament® stair treads”) and affix it with nora® stepfix 240.

10. Cut the stair nosing with the profile cutter or the installer’s knife to size.

11. Affix the stair nosing with contact adhesive.

12. Cut the tread to size and affix it with nora® stepfix 240. Complete the installation of the stairs from bottom to top accordingly.
1. The installation of the norament® stair tread begins at the bottom step. Measure the height of the riser and cut the riser part of the first stair tread off accordingly along the grooves. (The nosing of this stair tread is used later for the top step.) The cut of the width of the riser part is carried out as described below for the stair tread.

2. Place the stair tread with some distance from the banister or wall side. Use a pair of compasses to mark one side of the stair tread parallel to the chosen edge (wall or banister side).

3. Cut the stair tread from the rear along this line and make an additional undercut at the edge. This will make it easier to subsequently adjust the stair tread.

B. Installation of norament® stai rtreads for stairs with straight steps and rectangular edges

norament® stair treads are stair nosing, tread and riser in one piece. They are suitable for indoor applications only and fixed with nora® stepfix 240*, a double-sided adhesive tape with a pre-dried contact adhesive film (for further information see technical data sheet).

The vertical stair nosing section (nosing) is manufactured with an angle of approx. 80°. Therefore norament® stair treads cannot be installed on stairs wrecked back more than 80°.

For the fitting of the norament® stair tread with 2 m length we recommend to work in pairs.

Please note: The vertical stair nosing section is not fixed.

*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.
4. Place the cut side of the stair tread against the chosen edge [wall or banister side] and check for precise fit. Apply a marking on the lower part of the nosing and the riser.

5. Now move the stair tread to the other side. Measure the distance between the two markings with the compasses and subtract approx. 2-3 mm.

Use the compasses to transfer this distance to the second side [wall or banister side] and mark the stair tread accordingly.

6. Cut the stair tread from the rear along this line and make an additional undercut at the edge.

7. Now position the stair tread onto the step to check for precise fit. Then cut the remaining stair treads accordingly.
8. Apply nora® stepfix 240 to all steps of one flight of stairs from bottom to top – beginning at the bottom riser.

9. After the cutting of stair treads equipped with safety strips, the ends of these strips have to be fixed additionally with superglue.

10. Apply the adhesive tape to the entire areas of riser and tread and rub it down thoroughly with the stair tool. You do not need to cut off any overlapping adhesive tape because small folds and overlaps will not be visible later through the stair tread. However, do not leave any uncovered spaces. **Hint:** To facilitate the cutting of the nora® stepfix 240 strips slightly wet the knife and your hands with water.

11. At the top step cut off nora® stepfix 240 flush with the edge of the step.
12. Remove the protective paper from the riser of the bottom step and insert the pre-cut riser part of the first stair tread. Rub into place, knock on with a light coloured mallet and cut off along the step edge.

13. For the installation of the stair tread remove approx. 10 cm of the protective paper of the adhesive tape from the stair nosing.

14. **Hint:** Bend over the nosing by standing on it for a short time - as shown in the picture - to make sure it makes full contact with the riser afterwards.

15. Insert the stair tread accurately, rub the nosing into place and knock it on with a light coloured mallet.
16. Then pull out the remaining protective paper from under the tread part of the stair tread. Rub the tread part firmly into place, remove the protective paper from the riser, fit in the riser part of the stair tread and rub it on.

17. Additionally, hammer the stair tread into place with a light-coloured rubber mallet and cut off the protruding part of the riser along the step edge.

18. For the last step at the landing use the nosing of the first stair tread whose riser was fixed to the bottom step. This will prevent differences in height and colour. At first, apply a marking in the middle of the groove between the nosing and the tread part on the back of the stair tread.

19. Transfer the distance of this line from the nosing to the top step on the landing.
20. Apply contact adhesive to this area and to the back of the nosing, then leave to dry.

21. Place the nosing together with the tread part onto the top step and tap down. This will ensure that the stair nosing is installed straight and that the cut to remove the tread part is carried out straight as well.

22. Install the norament® tiles on the landing flush with the stair nosing.

23. The joints between stair tread and stair angles may be sealed with nora® 1-component cold weld. In case of a joint between the top stair nosing and the flooring of the landing this joint can also be sealed with nora® 1-component cold weld (see processing recommendation "Joint sealing").
Please note

If stairtreads are installed side by side on one step, the two stairtreads are glued together with superglue.

nora® stepfix 240 has been tested and approved only for norament® rubber stairtreads. We cannot accept any warranty for the fixing of other materials. Its use is restricted to stairs, do not use nora® stepfix 240 for large areas.

When a norament® stairtread installed with nora® stepfix 240 is removed at a later point of time, residues of the adhesive tape may remain on the subfloor. For this reason, nora® stepfix 240 is not suitable for use on existing floors which are to be re-used in their original condition.

Please follow the recommendations and processing instructions of the adhesive manufacturer. If in doubt, the adhesive manufacturer has to confirm the use of the chosen adhesive on a specific subfloor.

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Link to the video:
www.nora.com/installation