

## Installation recommendations – nora<sup>®</sup> 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 stairtread 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 stairtread itself.

Damaged or out of square (not right-angled) front edges have to be straightened with repair angles and levelled with a suitable repair mortar. Dusty and/or porous subfloors are primed with a suitable dispersion primer. 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<sup>®</sup> stairtreads as well as the nora<sup>®</sup> floor coverings and profiles have the required subfloor temperature. Especially in wintertime, all rubber material has to be stored on site for several days. During this time the profiles must be stored flat and even.

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

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



picture 1



picture 2

**Required tools for the installation of nora<sup>®</sup> stair solutions**



## A. Stair nosing, stair angles, skirtings, stringer

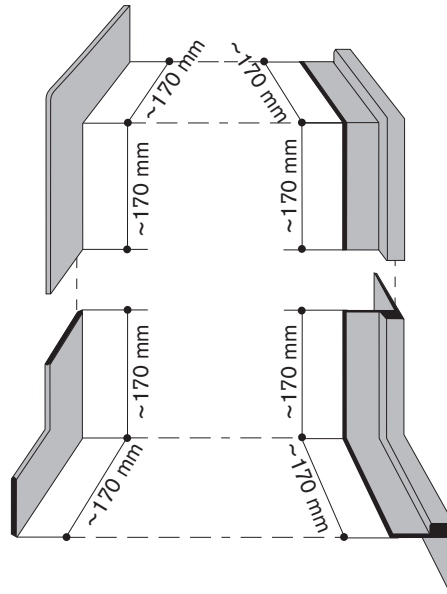
As a string casing for right-angled steps, stair angles for the wall and banister side as well as profiles for the landings (skirtings and stringer) are available.

### Stair angles

For the wall side

**TW 7006 U**  
Outer angle

**TW 7005 U**  
Inner angle



### Stair angles

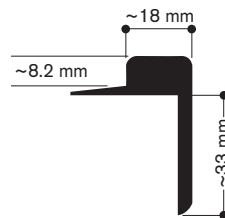
For the banister side

**TG 7004 U**  
Outer angle

**TG 7003 U**  
Inner angle



Same cross-section as skirting **S 1008 U**



Same cross-section as stringer **A 5013 U**

nora<sup>®</sup> 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.



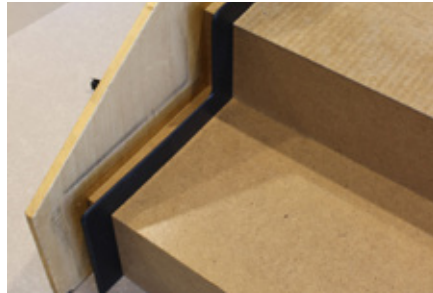
4. All stair profiles (other than the stair nosing T 5044\*) are fixed with contact adhesive. The adhesive is applied abundantly to the subfloor and to the back of the stair angles using a brush. (It is not necessary to sand the back of the profile.) For bonding, the contact adhesive on both glued sides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



\*The **stair nosing T 5044** can also be fixed with nora<sup>®</sup> 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. The skirting S 1008 U is fixed with nora<sup>®</sup> profix 50\*.

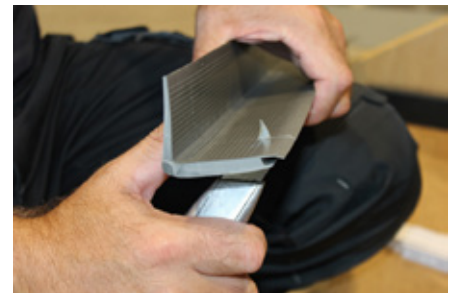


\*or comparable product by a different manufacturer. The suitability and processing as well as the consumption of the chosen adhesive can be gathered from the build-up recommendation and the technical data sheet.

9. Always install noraplan<sup>®</sup> or norament<sup>®</sup> from the bottom step upwards. Cut a fitting riser (see part B „norament<sup>®</sup> stairtreads“) and affix it with nora<sup>®</sup> 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<sup>®</sup> stepfix 240. Complete the installation of the stairs from bottom to top accordingly.



## B. Installation of norament<sup>®</sup> stairtreads for stairs with straight steps and rectangular edges

norament<sup>®</sup> stairtreads are stair nosing, tread and riser in one piece. They are suitable for indoor applications only and fixed with nora<sup>®</sup> 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<sup>®</sup> stairtreads cannot be installed on stairs wrecked back more than 80°.

For the fitting of the **norament<sup>®</sup> stairtread with 2 m length** we recommend to work in pairs.

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

1. The installation of the norament<sup>®</sup> stairtread begins at the bottom step. Measure the height of the riser and cut the riser part of the first stairtread off accordingly along the grooves. (The nosing of this stairtread is used later for the top step.) The cut of the width of the riser part is carried out as described below for the stairtread.



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



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



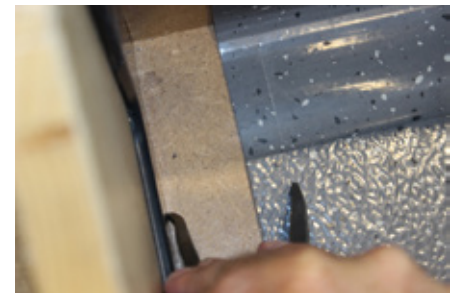
\*or comparable product by a different manufacturer. The suitability and processing as well as the consumption of the chosen adhesive can be gathered from the build-up recommendation and the technical data sheet.

4. Place the cut side of the stairtread 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.

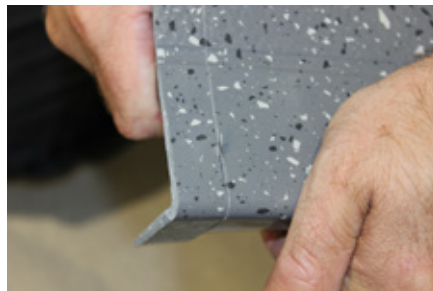


5. Now move the stairtread to the other side. Measure the distance between the two markings with the compasses and subtract approx. 2-3 mm.

Use the compasses to transfer this distance to the second side (wall or banister side) and mark the stairtread accordingly.



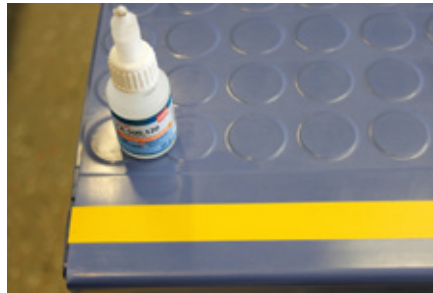
6. Cut the stairtread from the rear along this line and make an additional undercut at the edge.



7. Now position the stairtread onto the step to check for precise fit. Then cut the remaining stairtreads accordingly.



8. After the cutting of **stairtreads equipped with safety strips**, the ends of these strips have to be fixed additionally with superglue.



9. Apply nora<sup>®</sup> stepfix 240 to all steps of one flight of stairs from bottom to top – beginning at the bottom riser.



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 stairtread. However, do not leave any uncovered spaces. **Hint:** To facilitate the cutting of the nora<sup>®</sup> stepfix 240 strips slightly wet the knife and your hands with water.



11. At the top step cut off nora<sup>®</sup> stepfix 240 flush with the edge of the step.

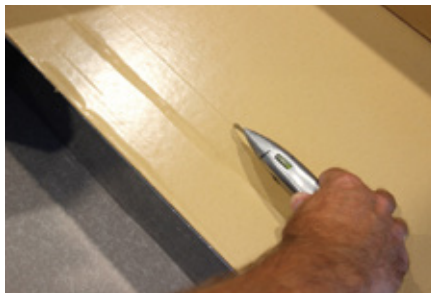




12. Remove the protective paper from the riser of the bottom step and insert the pre-cut riser part of the first stair-tread. Rub into place, knock on with a light coloured mallet and cut off along the step edge.



13. For the installation of the stairtread 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 stairtread accurately, rub the nosing into place and knock it on with a light coloured mallet.



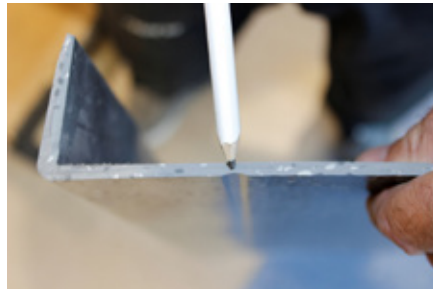
- 16.** Then pull out the remaining protective paper from under the tread part of the stairtread. Rub the tread part firmly into place, remove the protective paper from the riser, fit in the riser part of the stairtread and rub it on.



- 17.** Additionally, hammer the stairtread 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 stairtread 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 stairtread.



- 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 insure 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<sup>®</sup> tiles on the landing flush with the stair nosing.



- 23.** The joints between stairtread and stair angles may be sealed with nora<sup>®</sup> 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<sup>®</sup> 1-component cold weld (see processing recommendation "Joint sealing").



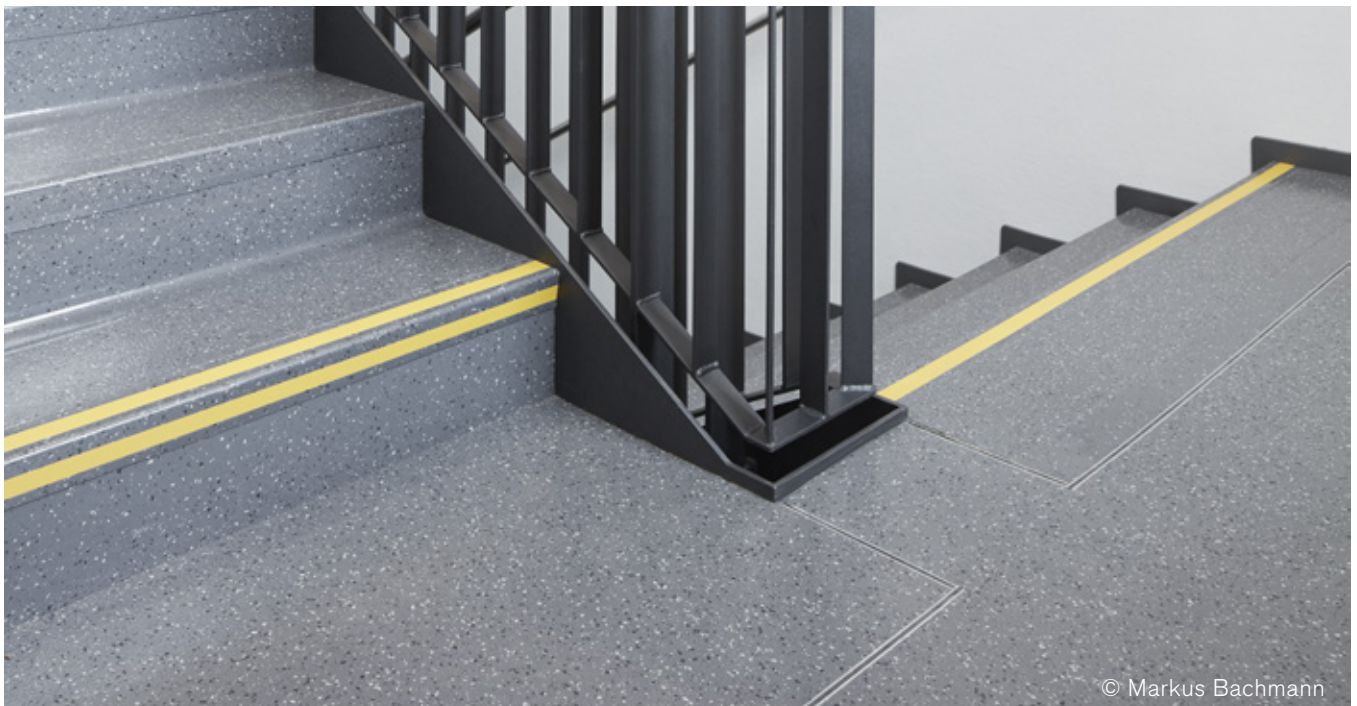
**Please note**

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

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

When a norament<sup>®</sup> stairtread installed with nora<sup>®</sup> stepfix 240 is removed at a later point of time, residues of the adhesive tape may remain on the subfloor. For this reason, nora<sup>®</sup> 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.



**Special tools required in addition to the standard installation equipment:**

**Compass**



92493

**Profile cutter**



112462

**Stair tool**



111938

**Contact:**

Contact details, local branches or authorised retailers, as well as other information can be found at [www.nora.com](http://www.nora.com).  
E-Mail: [info@nora.com](mailto:info@nora.com)

**Link to the video:**

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

