THE REVOLUTIONARY QUICK INSTALLATION SYSTEM
Does this sound familiar?

“I cannot allow ward areas to be closed for renovations.”
Petra Günther, Head of the “Glück Auf” Nursing and Care Center, Benndorf

“We are concerned that during the planned renovation, tearing out the old floor coverings could cause sustained damage to the subfloor.”
Matthias Kopf, Director of Construction in the District Administration of Landshut Lower Bavaria

“It is important to us that with new construction as little dust and dirt as possible is produced, and that we can use the new production hall as quickly as possible.”
Ronald and Marcel Fischer, Managing Directors of SanaCare Gesundheitsprodukte GmbH & Co. KG, Alsbach-Hähnlein
The solution is called nora® nTx – this floor brings its adhesive strength along from the factory.

With nora® nTx you can reduce installation time by up to 50% and can even carry out renovations during ongoing operations.

Installation problems like bubbles, residual indentations, or seams belong to the past.

The advantages at a glance:

- **Reliable installation result**
  - nora® nTx reduces installation problems: no bubbles, no residual indentations, no seams. Everything from a single source: 10-year-guarantee.*

- **Immediate usability**
  - Avoid drying and waiting times. Installation is possible during ongoing operations, and the floor can be used immediately after installation.

- **High efficiency**
  - The preparation of the floor and the installation of nora® nTx require only a few work steps – for more space in less time.

- **For all types of subfloors**
  - nora® nTx is suitable for all common types of subfloors – ideal also for problematic subfloors and underfloor heating.

- **Use with residual moisture**
  - Application in new buildings also possible with increased residual moisture in the subfloor.

- **Covering-over-covering installation**
  - In the case of renovations, installation is possible directly over existing floor coverings in just a few steps.

* Valid for deliveries from 7/1/2017. 10 year warranty for the criteria given in our warranty conditions (to be requested at the address given, see page 12).
What is nora® nTx?

nora® nTx is a new and unique technology for the professional installation of nora® rubber floor coverings. Ingeniously simple - nora® nTx brings its adhesive strength along from the factory. The flooring is cleanly and safely installed in only a few steps and immediately ready for use. And this can be done on the concrete or cement screed subfloors typical in new construction, as well as over other existing floor coverings. Even high residual moisture in the subfloor is not a problem for nora® nTx.

nora® nTx consists of our noraplan® and norament® standard floor coverings, which are equipped with an adhesive backing. The adhesive is covered with a protective film. The glue - like our floor coverings - is rubber-based and particularly health-friendly. Specially developed installation materials and tools for nora® nTx provide functional safety and ensure the highest quality standards. In June of 2016, nora® nTx was awarded the “Plus X Award” in the “High Quality and Functionality” category.

The installation of nora® nTx is very easy and fast: roll out floor covering and cut, remove protective film, glue, roll on – finished.

Compared to conventional wet bonding, it is possible to avoid multiple work steps and thus error sources, for example the application of the adhesive, as well as drying and waiting times.
How does installation with nora® nTx work?

“How covering-over-covering” installation example with noraplan® nTx in the Meyer + Harre Interior Design office, Berlin

1. **Preparing the subfloor**: sand, vacuum, and apply the nora® nTx 020 primer; sand again and vacuum.

2. **Cut the flooring**: roll out the flooring cut to fit.

3. **Install the flooring**: remove protective film and attach the floor covering.

4. **Allow floor to rest**: the floor can be used immediately - without waiting.

All information and additional examples featuring the new nora® nTx installation technology can be found at ntx.nora.com
Installation during ongoing operations – fast and safe with nora® nTx.

Office space with in a new look, fast - installation directly on existing flooring

nora® nTx self-adhesive rubber flooring is a very good solution, especially in buildings where a classic flooring system might damage the building’s historical structure, as it can be installed directly over the existing floor covering. Renovations can be carried out during ongoing operations. The employees at the Niederbayern Landshut District Administrative Building resumed their work immediately after the installation.

“*We did not have to make any major preparations and thus had significant time savings.*”

*Henri Meyer,*  
*Installer Max Hofmann, Neutraubling*

All areas always accessible - Renovations in only two days

“*Instead of one and a half weeks, with nora nTx we only needed two days for the floor renovations.*”

*Steffen Marschalek,*  
*Painter Business Steffen Marschalek, Klostermansfeld*

*Find more information about the buildings at ntx.nora.com*
nora® nTx is also a reliable and fast solution for demanding new construction projects.

Reliable and fast –
even with high levels of residual moisture in the subfloor

Building: SanaCare Gesundheitsprodukte GmbH & Co. KG, Alsbach-Hähnlein;
Architect: Zimmermann Architects, Bensheim;
Installation: norament® 926 grano nTx [500 m²]

For a new production hall, SanaCare was looking for a hard-wearing, durable floor which is chemical-resistant and easy to clean. Because of the change needed to take place as quickly as possible, norament® rubber tiles were laid directly on the concrete floor using the nora® nTx quick installation system. nora® nTx technology requires only a few work steps, drying and evaporation times are eliminated, and little dust and dirt is generated. This meant that the production hall and secondary rooms were available and could be used during the installation.

“During installation, everything remained clean and we were able to walk on the floor again. We received comprehensive advice before the start of the project, and support from the experts at nora application technology throughout the entire process.”

Ronald und Marcel Fischer, Managing Directors SanaCare
In the Reading Hospital (Pennsylvania, USA), an expansion building was opened at the end of 2016. The installation of a total of 22,500 m² of noraplan® eco combined with nora® nTx laying technology brought decisive advantages. The self-adhesive rubber floor is equipped with a rubber-based adhesive on the backside at the factory, and can be installed cleanly and safely in a few work steps. The new nora® nTx installation technology allowed the three-year construction phase to be shortened by around two months.

„Installing with nora nTx flooring saved us about two months.”

Jeff Hutwelker, Project Executive, LF Driscoll Co., LCC

Find more information about the buildings at ntx.nora.com
nora® nTx guarantees safe installation results.

nora® nTx | Comparison to conventional wet bonding

<table>
<thead>
<tr>
<th>Explanation of the potential risks associated with conventional wet bonding and their causes:</th>
<th>The solution: Installation with nora® nTx</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bubble formation:</strong> Flooring detaches from the subfloor and forms bubbles due to lack of adhesion.</td>
<td>No bubble formation ✓</td>
</tr>
<tr>
<td>• The applied layer of levelling compound is not sufficient to absorb and bind the water in the adhesive.</td>
<td>Dry bonding, partial filling only where necessary. Application with increased residual moisture possible.</td>
</tr>
<tr>
<td>• The flooring was placed onto the adhesive early, the adhesive is not sufficiently ventilated/dried.</td>
<td></td>
</tr>
<tr>
<td>• The subfloor had excessive residual moisture content during installation of the floor covering.</td>
<td></td>
</tr>
<tr>
<td><strong>Residual indentations:</strong> Visible depressions in the covering due to depressions in the adhesive.</td>
<td>No residual indentations ✓</td>
</tr>
<tr>
<td>• Too much adhesive is applied. The adhesive film compresses under pressure and causes residual indentations in the coating, which do not return to normal.</td>
<td>Dry bonding means a thin adhesive layer. No residual impressions are caused by stress.</td>
</tr>
<tr>
<td>• The flooring was placed onto the adhesive too late, the adhesive was allowed to air/dry too long. The adhesive furrows are very sturdy, but can be pressed together with appropriate applied pressure and cause residual indentations in the covering.</td>
<td></td>
</tr>
<tr>
<td>• Adhesion depressions during processing: installation was too rapid; in previously installed areas, the adhesive was not sufficiently hardened.</td>
<td></td>
</tr>
<tr>
<td>• The floor was walked on too soon after the installation.</td>
<td></td>
</tr>
<tr>
<td><strong>Seams:</strong> Insufficient adhesion and resulting separation of the flooring in the seam area.</td>
<td>No seams ✓</td>
</tr>
<tr>
<td>• The flooring was placed onto the adhesive too late, the adhesive was allowed to air/dry too long. The back of the floor covering was not sufficiently covered with adhesive, the adhesive furrow was not crushed.</td>
<td>Dry bonding, partial filling only where necessary. Application with increased residual moisture possible.</td>
</tr>
<tr>
<td>• The subfloor was too thin (less than the manufacturer’s recommended layering thickness) or the levelling compound was not applied in the correct mixing ratio. Sufficient connection with the adhesive was not possible.</td>
<td></td>
</tr>
<tr>
<td>• The subfloor had excessive residual moisture content during installation of the floor covering.</td>
<td></td>
</tr>
<tr>
<td><strong>Envelope edges</strong> Visible envelope edges after installation of meter goods in the middle of a room.</td>
<td>No envelope edges ✓</td>
</tr>
<tr>
<td>• The adhesive is applied twice in the area of the envelope edge and is visible in the area after installation.</td>
<td>Dry installation, no visible envelope edges.</td>
</tr>
</tbody>
</table>

1) Proper laying time depends on the room temperature and the relative humidity, which in turn are influenced by external factors such as solar radiation.

2) For example cement screed > 2.0 CM%, calcium sulfate (anhydrite screed) > 0.5 CM%. The drying time for the levelling compound depends on the layer thickness, the temperature, and the relative humidity.
nora® nTx standard program

(additional colors from the nora® standard program on request)

noraplan® signa nTx

Art. 181C
~1.22 m x 1.50 m
~2.1 mm

noraplan® sentica nTx

Art. 182C
~1.22 m x 1.50 m
~2.1 mm

norament® 926 grano nTx

Art. 3111
~1004 mm x 1004 mm
~3.6 mm

norament® 926 satura nTx

Art. 3111
~1004 mm x 1004 mm
~3.6 mm

norament® 926 arago nTx

Art. 3122
~1004 mm x 502 mm
~3.6 mm
(available with chamfered edge)

nora® nTx standard program

(additional colors from the nora® standard program on request)