



nora[®] **nTx** – Safe. Fast. Universal.

THE REVOLUTIONARY QUICK INSTALLATION SYSTEM

nora[®]
by **Interface**[®]

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.



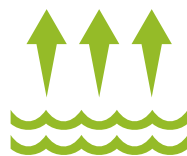
High efficiency

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.

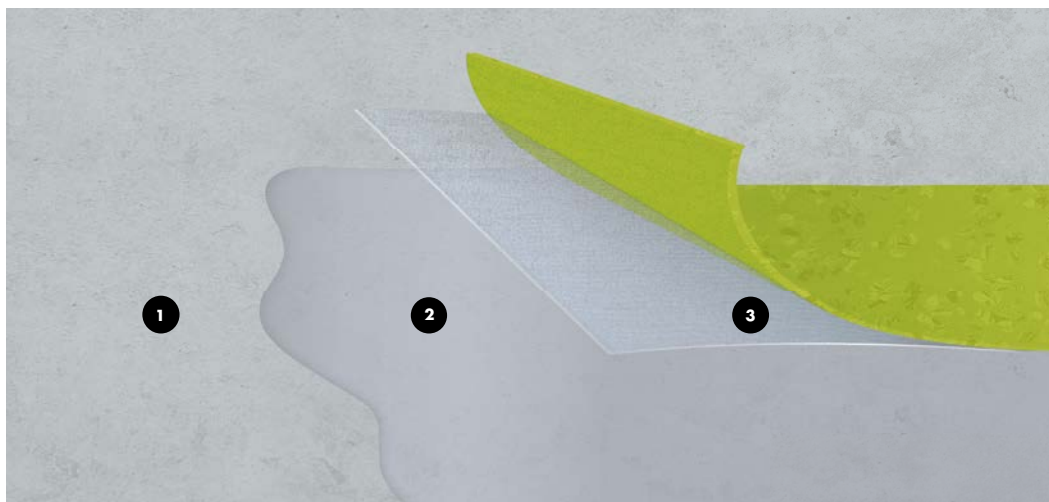
* Valid for deliveries from 7/1/2017. 10 year warranty for the criteria given in our warranty conditions (to be requested at the address given, see page 12).



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 | the system configuration



1 subfloor 2 nora® nTx O20 (Primer) 3 nora® nTx floor covering with self-adhesive back

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.

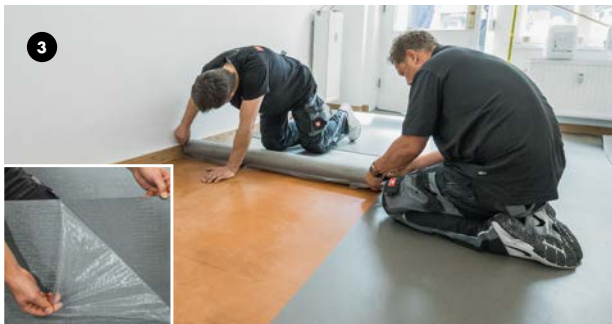


How does installation with nora® nTx work?

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



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



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



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



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



Building: District administration building, Niederbayern Landshut;
Installation: noraplan® valua nTx/unita nTx (1,000 m²)

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



Building: "Glückauf" Nursing and Care Center, Benndorf;
Installation: noraplan® sentica nTx (145 m²)

No dirt, no noise, and above all no disturbance of the inhabitants: with nora® nTx the floor in the living room and in the corridor of the nursing and care center could be renewed in a very short time. noraplan® sentica nTx rubber flooring was installed directly over the old floor covering. Because it is not easy to close down ward areas for renovations, the nora® nTx fast floor renovation was the perfect solution. After the installation, the floor could be used again immediately and the inhabitants' daily routines were not affected. Advantages for processors: all products come from a single source, significantly reducing error sources.

"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

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

High levels of planning security for complex construction projects with tight schedules.

Simple application, secure application –
Construction times cut in half



Building: Reading Hospital, West Reading, Pennsylvania (USA); Architect: Ballinger, Philadelphia (USA);
Installation: noraplan® eco nTx (22,500 m²)

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

nora® nTx guarantees safe installation results.



nora® nTx | Comparison to conventional wet bonding

Explanation of the potential risks associated with conventional wet bonding and their causes:

Bubble formation:

Flooring detaches from the subfloor and forms bubbles due to lack of adhesion.

- The applied layer of levelling compound is not sufficient to absorb and bind the water in the adhesive.
- The flooring was placed onto the adhesive early, the adhesive is not sufficiently ventilated/dried.¹⁾
- The subfloor had excessive residual moisture content during installation of the floor covering.²⁾

The solution: Installation with nora® nTx

No bubble formation ✓

Dry bonding, partial filling only where necessary. Application with increased residual moisture possible.

Residual indentations:

Visible depressions in the covering due to depressions in the adhesive.

- Too much adhesive is applied. The adhesive film compresses under pressure and causes residual indentations in the coating, which do not return to normal.
- 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.
- Adhesion depressions during processing: installation was too rapid; in previously installed areas, the adhesive was not sufficiently hardened.
- The floor was walked on too soon after the installation.

No residual indentations ✓

Dry bonding means a thin adhesive layer. No residual impressions are caused by to stress.

Seams:

Insufficient adhesion and resulting separation of the flooring in the seam area.

- 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.
- 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.
- The subfloor had excessive residual moisture content during installation of the floor covering.²⁾

No seams ✓

Dry bonding, partial filling only where necessary. Application with increased residual moisture possible.

Envelope edges

Visible envelope edges after installation of meter goods in the middle of a room.

- The adhesive is applied twice in the area of the envelope edge and is visible in the area after installation.

No envelope edges ✓

Dry installation, no visible envelope edges.

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.

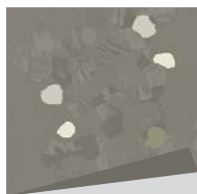
nora® nTx standard program

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

noraplan® signa nTx



7031



7033



7051



7055



7065

Art. 181C

 ~1.22 m x 15.0 m

 ~2.1 mm

noraplan® sentica nTx



6505



6506



6520




6522



6517

Art. 182C

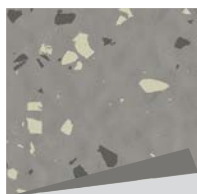
 ~1.22 m x 15.0 m

 ~2.1 mm

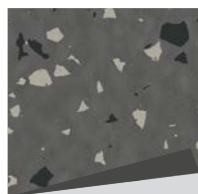
norament® 926 grano nTx



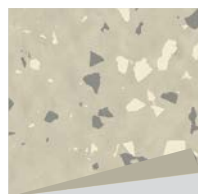
5302



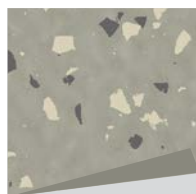
5303



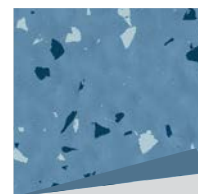
5304



5305



5306



5318

Art. 3111

 ~1004 mm x 1004 mm

 ~3.6 mm

norament® 926 satura nTx



5106



5102

Art. 3111

 ~1004 mm x 1004 mm

 ~3.6 mm

norament® 926 arago nTx




5172



5177

Art. 3122

 ~1004 mm x 502 mm

 ~3.6 mm (also available with chamfered edge)

nora systems Shanghai Co. Ltd.

10 A/B, Long Life Building | 1566 Yan'an Road West | 200052 Shanghai, PR China

Phone: +86 21 - 3226 0077 | Fax: +86 21 - 5258 1958

www.nora.com

nora systems GmbH (DMCC Branch)

Office 3504, HDS Business Center | Cluster M | JLT | Dubai, UAE

Phone: +971 (4) 450 8175 | Mobile: +971 (56) 350 6546

Fax: +971 (4) 450 8374

E-Mail: rakesh.maliakal@nora.com

www.nora.com

nora flooring systems UK Ltd.

4-5 Allerton Road | Rugby CV23 0PA, Great Britain

Direct Dial Numbers: (01788) 513 160 – 513 160

Fax: (01788) 55 28 12

E-Mail: info-uk@nora.com

www.nora.com

nora systems GmbH

Höhnerweg 2-4 | 69469 Weinheim, Germany

Phone: +49 (0) 6201 - 80 66 33

E-Mail: info@nora.com

www.nora.com