

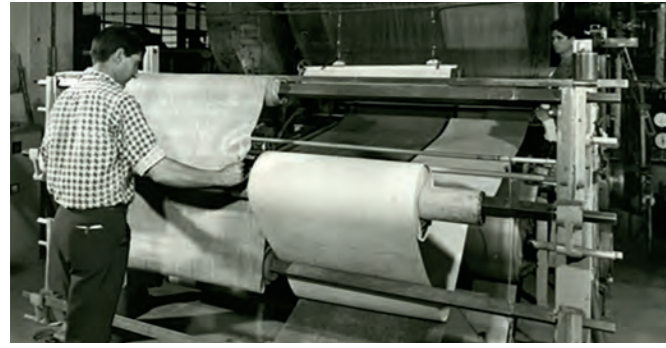


© Gary Hall Photography

Why nora[®]?

nora[®]
by **Interface**[®]

How it all began



© Freudenberg & Co. KG, Unternehmensarchiv

In 1950, the development of nora floor coverings began. At that time, the nora plant was still part of the Freudenberg Group. In the 1930s, the traditional Weinheim company began manufacturing shoe soles and sealing sleeves made of rubber. In search of another mainstay, the brothers Richard and Hans Freudenberg - grandsons of the former company founder Carl Johann Freudenberg - decided to manufacture rubber floor coverings.

The road to becoming a rubber specialist

We can look back on 70 years of competence in the production of rubber floor coverings and system solutions and proudly bear the title "Made in Germany".

The secret behind the production of these extremely robust yet elastic floor coverings lies in the perfect rubber formula that we at nora systems have perfected over the past decades for the manufacture of our floor coverings. The name nora originated from the inventor of the rubber compound, the chemist Dr. Walter Nürnberger (lat. norimbergensis).

Under this brand name, we develop, produce and sell high-quality, elastic floor coverings and stairtreads as well as suitable accessories. However, our expert knowledge extends not only over the entire manufacturing process of the floor coverings, but also includes the most diverse market segments, such as industry, healthcare and education, whose individual requirements for our floors have been optimally adapted over the course of time. Our norament® and noraplan® product lines stand for the highest quality throughout the world.

Unique customer service

Our customers always come first for us and can rest assured that they will achieve outstanding results for their building when working with nora®. From tender support to on-site installation monitoring by our technicians to after-sales service - nora always remains a reliable partner at the side of its customers. By sharing our expertise with our customers, we

can help them make the best choice for their individual projects. Since 2018, the nora systems GmbH belongs to the internationally active Interface Group. With nora, Interface complements its product mix of carpet tile and LVT with rubber flooring, giving customers more choices to meet their flooring needs across endless commercial applications.

Our sustainability journey

As a part of the Interface Group, the nora systems GmbH has been included into the Carbon Neutral Floors™ program in 2019, which means that nora rubber floor coverings are CO₂ neutral* across their entire product lifecycle. Offered as a standard to every customer, at no extra cost, the Carbon Neutral Floors™ program helps our customers to meet their own sustainability goals.

*nora floor coverings are CO₂ neutral over the entire product life cycle. We are continuously working on further reducing CO₂ emissions within the value chain through various measures. Remaining CO₂ emissions are offset by the acquisition of certificates relating to audited emission reduction projects.



© nora systems

1950

The chemist Dr. Walter Nürnberger (lat. Norimbergensis) is responsible for the development of rubber compounds and the brand name nora is named after him. 1950 start of floor covering production of noraplan®.

1967

Start of norament® production

from 1980

Starting signal for international expansion - nora systems will soon be represented in around 80 countries with subsidiaries or export partners.



from 1995

The Freudenberg Group is divided into limited partnerships: Foundation of Freudenberg Bausysteme KG for nora® products

2007

An investor consortium led by Capiton AG (Berlin) acquires Freudenberg Bausysteme KG; new company name becomes nora systems GmbH



© nora systems

2015

nora systems invests around EUR 10 million in employee development and new technologies. nora nTx® appears on the market: a trendsetting and innovative installation technology for rubber floor coverings that reduces installation time by up to half, and reduces costs.

2016

Majority takeover by ICG (Intermediate Capital Group)

2018

Interface®

nora systems GmbH is taken over by Interface Inc, Allianta (USA). Interface is the world's largest manufacturer of modular carpet tiles for the contract sector.

2019

Part of the Carbon Neutral Floors™ Program 2019

1970

norament® round pastille is laid at Frankfurt Airport and achieves cult status



1975

Sir Norman Foster brings colour into play - a bright green completes the round pastilles assortment



2010

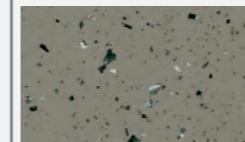
With nora system blue®, the company is the only supplier of a floor-covering system that has been awarded the Blue Angel eco-label for low emissions.



© nora systems

2012

noraplan® unita, launched in 2011, receives the red dot design award for its innovative material combination of rubber and granite chips.

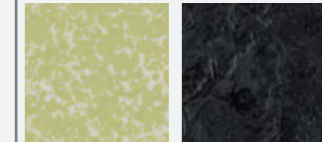


2012-2015

Successful new releases from both product lines: noraplan® sentica, norament® satura, and noraplan® valua

2017

The new releases noraplan® lana and norament® arago are presented in January at BAU in Munich.



Robust by origin – Rubber



Inspired by nature, perfected by technology

Nature often provides the best ideas. This also applies to nora floor coverings, which are made of high-quality natural and industrial rubber. In addition, minerals from natural deposits and other components such as environmentally friendly colour pigments are added, forming the basis for an extremely robust yet permanently resilient classic product.

The special feature of rubber is its inherent elasticity, so nora floor coverings do not require softening substances. Vulcanisation makes them permanently elastic, helping their unique functionality and aesthetics last for decades to come. The nora complete system is no less unique. With a comprehensive range of accessories and unparalleled service, it delivers both

consistent and cross-functional design across all surfaces, stairs and levels.



For a good atmosphere in your facility

Educational or healthcare institutions bear a high responsibility. Because they are the place where many people spend many hours every day. Accordingly, it is important to create an atmosphere in which people feel comfortable – and that starts with the floor.

And of course, it must meet many criteria and the highest demands, but above all it should be healthy and low in emissions. Because only an optimal room climate supports a good atmosphere. A perfect floor is wear-resistant and causes only minor follow-up costs.

Get to know nora floor coverings - on the following pages you have the opportunity to do so.

Many colours and designs: for harmonious interior design



© John Wagman Global Photo Associates

As they cover a proportionally large area, floor coverings have a significant influence of the overall look of a room. As nora systems offers a broad product line, the sky is the limit when it comes to creative design. The diverse **range of colours and designs** can be used to create an atmosphere of well-being that visibly enhances the room. You can even implement **special designs** that are specifically tailored to suit an individual colour scheme. Patterns, games or guidance systems can also be included in the flooring as **inlays**. **Tailored stairtreads** and **tailor-made flooring accessories** round off the overall impression and ensure harmonious interior design.

Furthermore, our plank and tile concept offers almost limitless freedom to design a room the way a customer wants. Any combination of plank or tile shapes and colours can be used to influence the overall design of the room. With planks, an unmistakable and individual spatial effect can be achieved that is precisely tailored to the needs of the customer. Tiles can also be used to create different installation patterns or to set unusual accents.



© Stefan Meyer

Safety and ergonomic comfort

nora® rubber flooring generates very little noise, thus providing for a **quiet, pleasant atmosphere in the room**.



© Bart Gosselin

nora® floor coverings **offer high walking and standing comfort** thanks to the spring-back properties resulting from their high elasticity. They are easy on your body when required to stand or walk for a long time. Studies have shown that nora® floor coverings compensate for stresses on the human body significantly better than do hard floorings such as stone. nora® floor coverings are also pleasing to the touch and pleasantly **warm to walk on**.

“
How many separate parts were needed for our most intricate inlay?
It consists of 3500 separate parts forming an area of 1840 m².
”

Low-emission flooring for healthy indoor air quality

In our everyday life, we primarily spend our time in closed rooms. If these rooms have been outfitted using building materials that emit pollutants, these pollutants will accumulate and lead to issues ranging from odor to impacts on health.

You can be sure you're on the safe side with nora floorings: the high-quality floors are low emission and low pollutant made from mostly natural materials. This not only leaves the air quality unaffected – even direct contact with the flooring is and will be safe.

“
Do you know how many pastilles are on our norament® 926 tile (size: 1004 mm x 1004 mm)?
There are 784 pastilles on a norament® 926 tile.
”



© CR-Beeldwerken

Easy and economical to clean: for a lasting high-quality appearance



© Riddle Stagg

Thanks to their extremely dense and closed surface, nora® rubber floor coverings are extremely wear resistant, **easy to clean** and do not need **any coating**. They are also dimensionally stable and can be installed **without** any unsightly and cleaning-intensive **jointing**. They contribute to a lasting high-quality appearance in buildings and are thus an economical and reliable investment.

“
What is the lowest point (location?) where our flooring is installed?
nora® floors are laid in submarines that dive deeper than 3000 meters.
”

Hard-wearing and durable

nora® rubber floor coverings are **extremely robust**. They have a service life of more than 30 years. They have an **enormous compressive strength** of up to 6 N/mm². nora® rubber floor coverings thus perform impressively in high traffic areas and wherever the floor is subject heavy loads, such as in industrial plants.

“
Where is the world's
largest nora® flooring
installation?
As of 2017, Hongqiao Airport in China
is the biggest nora® project with
112,132 m² floor covering laid.
”



© Waldemar Hauke

nora® nTx – The new generation in flooring installation



© nora systems

nora® nTx is a new and unique technology for the installation of nora® rubber floor coverings by professional floor-layers.

Ingeniously simple – the adhesive strength of nora® nTx is already factory fitted. The flooring is cleanly and safely installed in only a few steps and immediately ready for use. And this can be done on the usual concrete or cement screed substrates as well as on other existing floor coverings. Even high residual moisture in the screed is not a problem for nora® nTx.

The challenges of conventional processing, such as applying the correct amount of adhesive, sufficient wetting as well as drying and waiting times before and after laying are a thing of the past. And the result is as durable, robust and safe as you are accustomed to from nora® floor coverings. No other rubber flooring offers as many time and cost savings for the floor-layer and the building occupants. And all that from a single source.

Market segments & projects

Living projects

Whether on the high seas, under the feet of tens of thousands of passengers in the New York subway, in the Chinese Pavilion of Expo 2010, the Guangzhou Opera House, in the operating theatre of numerous hospitals or in the kindergarten next door: people around the world come into contact with nora floor coverings every day. And each project is unique - the demands on the design and technical properties of our products are determined by the different types of building. As well as by the innovative spirit of our customers.

Office



In offices, administrative departments and conference rooms the "feelgood factor" is crucial. Appealing designs, easy and efficient cleaning, stain resistance and wear resistance - especially to castor chairs is important.

Education



© Lioba Schneider

Creating healthy living space for younger and older students with a future. Aimed at promoting healthy air.

Shops & Stores



© Dirk Wilhelmy

Those seeking attention need the right stage. We prepare the way for it.

Transportation



© Christian Reimann

Standing firm before the masses: nora floor coverings for ships, coaches and rail operators pass the stress test.

Industry



© Waldemar Hauke

Industrial floors are all demanding. nora rubber floor coverings present the evidence.

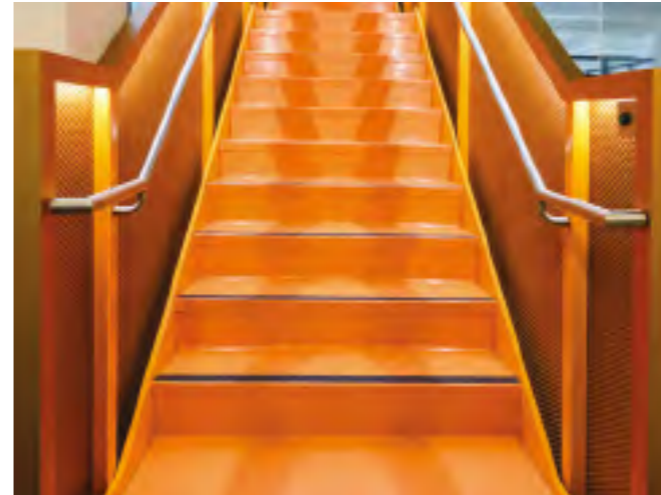
Public Buildings



© CR-Beeldwerken

Everything in motion. In public buildings, functionality comes face-to-face with aesthetic design - it's good if the floor covering is included.

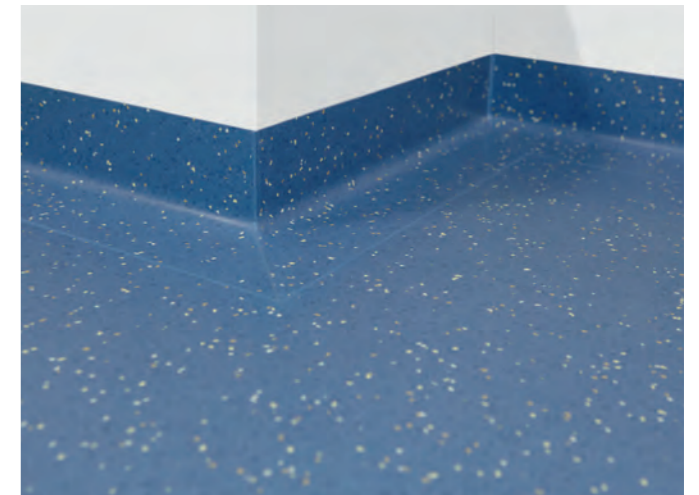
Stair Solutions



© Jesse Taylor

We satisfy individual need in stairwells with tailor-made solutions.

Rubber Flooring Accessories



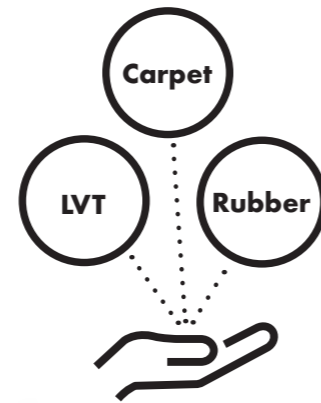
© Claus Langer

We offer you a matching range of rubber accessories for norament® floor coverings which can also be used in combination with other kinds of flooring.

Interface + nora

Together, Interface and nora offer an unrivaled capacity to cover every single area of your building – from a single source. We can help you find the ideal flooring solutions with the functional properties you need for different spaces – from the classroom to the conference room, to retail spaces and public areas, all the way through stairwells to laboratories and operating rooms.

We have the product range and application expertise to help you find exactly what you need, where you need it. And we look forward to helping you find it.



Carbon Neutral Floors™

In keeping with its 25-year commitment to sustainability, Interface has taken a holistic approach to carbon neutrality, looking beyond carbon emissions from manufacturing to considering and calculating emissions across the entire product lifecycle. This begins with raw materials and continues through manufacturing, transportation, maintenance and ultimately end-of-life product takeback and recycling.

In 2018, the company launched the Carbon Neutral Floors™ program, which is offered as a standard to every customer, at no extra cost, to help them meet their own sustainability goals while also allowing them to reduce the emissions impact of their projects or spaces. Through the Carbon Neutral Floors™ program, Interface

also offers project certificates to provide information to each customer to help them understand the carbon impact of their purchase. For each flooring purchase, the company can calculate the estimated carbon reductions and present that documentation to the customer at the project or total global purchase level.

As a part of the Interface Group, the nora systems GmbH has been included into the Carbon Neutral Floors™ program in 2019 as well. As a result, the flooring products that Interface sells – carpet tile, LVT and rubber – are carbon neutral* across their full lifecycle.

*nora floor coverings are CO₂ neutral over the entire product life cycle. We are continuously working on further reducing CO₂ emissions within the value chain through various measures. Remaining CO₂ emissions are offset by the acquisition of certificates relating to audited emission reduction projects.



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