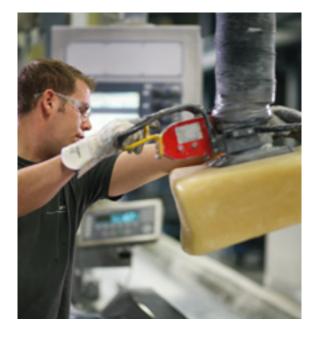


Rubber floor coverings and accessories 2022





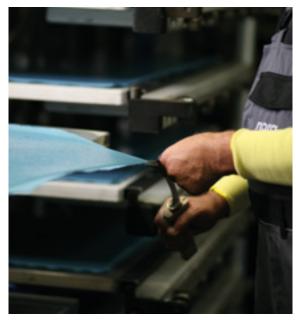
















Photos: © nora









Innovative floor coverings made in Germany

We are driven by the idea of creating outstanding and distinctive flooring solutions that meet the widest possible range of applications. We have found the ideal material for this in highquality rubber, which we transform into permanently resilient and extremely resistant floor coverings through an innovative manufacturing process.

nora® floor coverings also have excellent ergonomic properties and absorb footfall sound. They are free of phthalate plasticisers, which keeps them dimensionally stable, while their dense and closed surface makes cleaning and maintenance easy. They meet different slipresistance requirements for various application areas, as well as the strictest fire protection criteria (acc. to EN 13501).

Our floor coverings are extremely versatile and can be used virtually anywhere. You will find them worldwide for instance in

- hospitals and nursing facilities,
- educational facilities,
- public buildings and transport sector as well as
- industrial buildings.

Above all, everything we do is aimed at achieving our customers' goals. That is why our nora floor coverings provide perfect service today, tomorrow and far into the future.

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About Interface

Interface, Inc. is a global flooring company specializing in carpet tile and resilient flooring, including luxury vinyl tile (LVT) and nora® rubber flooring.

Interface helps its customers to create high-performance interior spaces that support well-being, productivity, and creativity, as well as the sustainability of the planet. The mission Climate Take Back™ invites stakeholders to join and to act in a way that restores the planet and creates a climate fit for life.

Learn more about Interface at interface.com and blog.interface.com and the Carbon Neutral Floors™ program at interface.com/carbonneutral.

With products from nora, Interface complements its portfolio, giving customers more choices to meet their flooring needs across endless commercial applications. Together, we can create beautiful, functional spaces that have a positive impact on people's lives and the planet.



© Interface

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.



Sedus Stoll AG, Dogern, Germany

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 life cycle. This begins with raw materials and continues through manufacturing, transportation, maintenance and ultimately end-of-life product take-back 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, nora systems GmbH has been included into the Carbon Neutral Floors™ program in 2019 as well, which means that also nora® rubber floor coverings are CO₂ neutral* across their entire product life cycle. As a result, Interface's entire product portfolio – carpet tiles, luxury vinyl tiles (LVT), and now also nora® rubber floor coverings – is CO₂ neutral.

*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.



Building and corporate certifications, memberships and cooperation agreements

We take our responsibilities towards the environment and society extremely seriously. Various independent facilities have confirmed this to us in the form of different certificates and awards, not just in Germany but in other countries as well.

Sustainability criteria are becoming more and more important in the realisation of building concepts. In public procurement law they are often mandatory for the tender and decisive for the award of a contract. nora can help you score at green building rating systems.



Building certifications

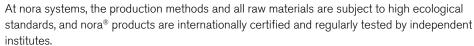
nora® rubber floor coverings, nora® accessories, and nora® installation materials can enhance the sustainability properties of buildings for DGNB (German Sustainable Building Council), LEED (Leadership in Energy and Environmental Design), BREEAM (BRE Environmental Assessment Method), and other certifications.

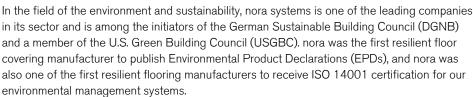
www.dgnb.de/en/ www.usgbc.org/leed www.breeam.com/

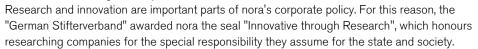


Memberships and corporate certifications

nora systems GmbH maintains a large number of fruitful relationships with different sustainability institutions. Because our attitude is: Together we are stronger when it comes to preserving our environment.



















nora® floor coverings

Eco-labels, approvals and Environmental Product Declarations



The Blue Angel

One of the world's most famous and oldest eco-label, initiated by the Cabinet of Germany. This guarantees that products fulfil particularly stringent environmental, health, and performance requirements, including emission and constituent specifications. Approval criteria: DE-UZ 120



Cradle to Cradle

Cradle to Cradle is a quality standard that examines the biological and technical regenerative cycle of a product's materials. Against this background, the aim is to develop respectively promote a potentially infinite recycling economy. The rating levels range from Basic to Bronze, Silver, Gold and Platinum.

Approval criteria: Cradle to Cradle Certified™ Product Standard



Greenguard Gold

Greenguard Gold Certification promotes the protection and safety of sensitive persons in regards to indoor air quality. Certified products fulfil stringent emission standards, affording an invaluable contribution to the quality of indoor air.

Approval criteria: UL 2818 Standard for Chemical Emissions for Building Materials



Austrian eco-label

The Austrian eco-label is awarded by the Austrian Ministry of Agriculture, Forestry, Environment, and Water Management. It provides information on the environmental impact of consumer goods that arises from their production, usage and disposal. Certified floor coverings exert as small an impact as possible on the environment and health over their whole life cycle. Approval criteria: UZ 42



ecobau

The ecobau association has been promoting sustainable and healthy building in Switzerland since 2005. ecobau members include public building authorities from the federal government, cantons and cities, as well as organizations such as KBOB, CRB and educational institutions. Together they develop planning tools for ecological construction to support building authorities, planners and architects, The environmental impact of different building materials is assessed from production to disposal.

Approval criteria: Methodology building materials ecobau



M1

The Finnish test mark M1 is regarded as the highest certification for building products in the Scandinavian region. Besides stringent emission thresholds for total volatile organic compounds (TVOCs), the label also includes a sensory odour test.

Approval criteria: Classification of Indoor Climate 2018 and the Classification of Building Materials: General Instructions.



Etiquetage

In France, building products are classified according to their potential for emissions. The object is to eliminate risks to the health of persons inside the building. Approval criteria: French VOC label – Emissions dans l'air intérieur (Décret n° 2011-321)



Byggvarubedömningen

The Swedish institute Byggvarubedömningen assesses the sustainability of building products with respect to their emissions, constituents, and production process. The products are classified as "Recommended", "Accepted", or "To be Avoided".

Approval criteria: Byggvarubedömningen's criteria for chemical content and life cycle aspects



Indoor Air Comfort GOLD

The Eurofins certification Indoor Air Comfort GOLD combines emissions requirements of the most important European eco-labels in one certificate. With this international label, planners, building owners and architects can specifically use products that do not compromise indoor air by giving off impurities. It means that more purposefully selected products can be used that have been certified thanks to their low emission levels and their sustainable properties.



Singapore Greenbuilding

Singapore Greenbuilding sets high standards and benchmarks for green building solutions. It certifies eco-friendly building products that are resource-efficient, potentially more economical and lower the environmental impact. This certification also considers if the product provides better indoor air quality for a more healthy and productive workplace in buildings. Products can be rated from Good to Very Good, Excellent to Leader.

Approval criteria: Singapore Green Building Product Certification Scheme



Global GreenTag

Global GreenTag is a multi-criteria, green product rating and certification system. It examines the Life Cycle Assessment (LCA) of a product and assesses different benefits as for example greenhouse gas emissions, human health and ecotoxicity as well as biodiversity and resource consumption. Products are awarded on the following three levels: A, B and C. Approval criteria: GreenTag Standard v4.0



EPDs from Institut Bauen und Umwelt e.V.

EPDs (Environmental Product Declarations) are issued on the basis of international standards by the Institut Bauen und Umwelt e.V. (IBU). They document the ecological aspects of a product over its whole life cycle. An EPD is a neutral, but invaluable source of information in the choice of sustainable building products.

nora® rubber floor coverings

Naturally made of rubber

nora® floor coverings are made of high-quality natural and industrial rubber. They are mixed with minerals from natural sources and other components, such as colour pigments, pulled into blanks, pressed and then vulcanized under heat and high pressure.

Due to the special properties of rubber, nora® floor coverings don't require phthalate plasticisers and don't need to be coated. They retain their unique functionality and aesthetics for decades. The floor coverings are rounded off by an unparalleled range of accessories and an outstanding service for a design that is both harmonious and cross-functional -across all surfaces, stairs and levels.



Our product lines offer boundless possibilities

Everyone aspires to individuality. Why should this claim stop at the floor covering? Our product lines norament® and noraplan® together with our special floorings form a perfectly practical synthesis of design and functionality with consideration of environmental impacts. We are therefore convinced that we can offer our customers the perfect solution for every need and creative idea. Get to know our product portfolio on the following pages, and learn more about how you can set highlights with nora® floor coverings and system solutions.

norament®

This classic rubber floor covering is a convincing combination of outstanding quality and functionality. Thanks to its dense surface, it withstands even the highest loads and furthermore can be used in a wide variety of working environments, for example in the industrial sector. The product portfolio comprises a total of seven designs: from the classic pastille norament® 926/825, which was used for decades at Frankfurt Airport, the center of European air traffic, to norament® 926 arago, which due to its stone look lends a modern ambience to interiors.

noraplan®

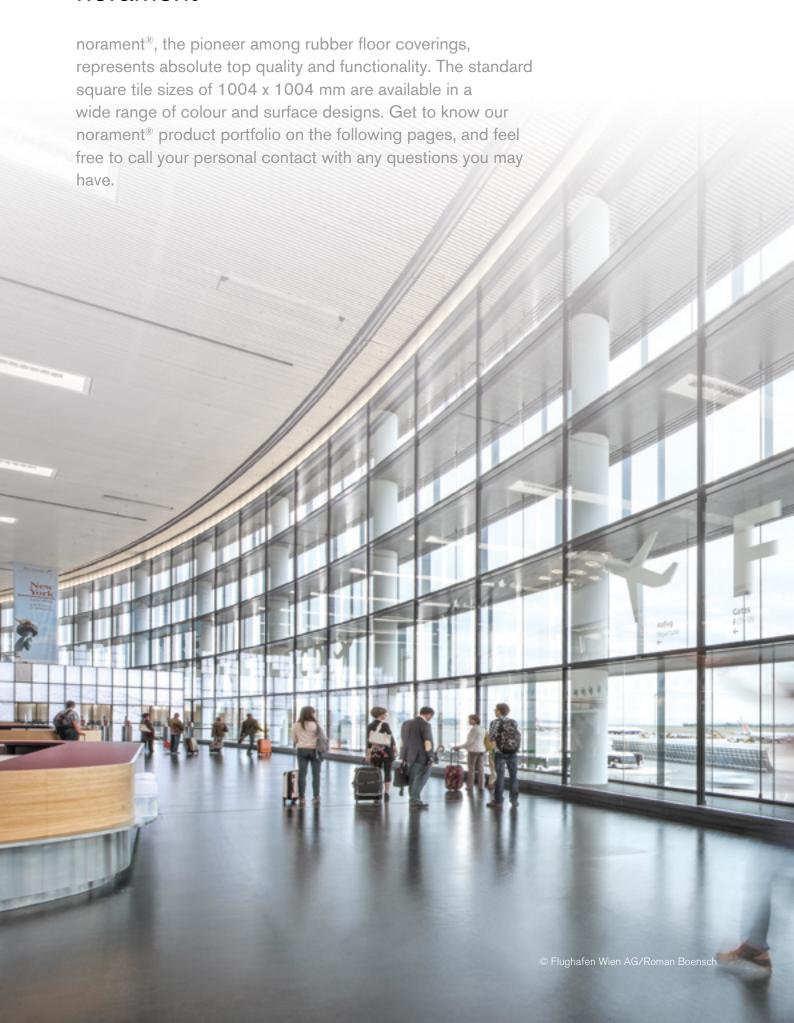
noraplan® floor coverings are available in rolls or tiles with great designs and colours for virtually unlimited design opportunities. Outstanding technical and functional properties make noraplan® floorings suitable for the most diverse demands and environments, such as hospitals, kindergartens or universities. The product portfolio consists of ten designs. noraplan® signa for example offers the largest selection of all nora® floorings with a palette of 48 colours.

Special floorings

We have developed various special floor coverings for areas subject to special technical standards and requirements. These include e.g. acoustic floor coverings with an impact sound improvement index of 20 dB, electrostatically dissipative or conductive qualities, removable floor coverings or highly specialised solutions for ice rinks, golf facilities, and many more. With noracare® we also offer a special sheet flooring for areas with extraordinary demands on hygienic cleaning and maintenance as well as stain and chemical resistance.



norament®







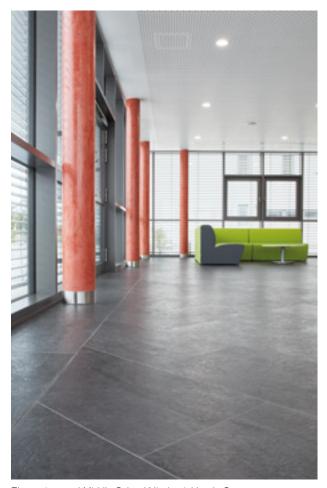
taz, Berlin, Germany



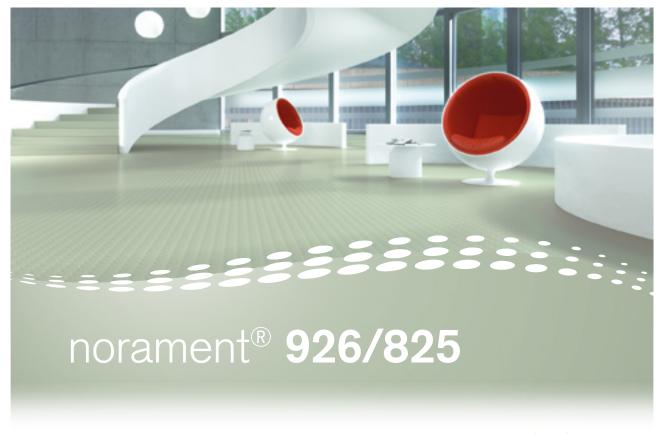


Kita "An der Schutter", Ingolstadt, Germany

© Dirk Wilhelmy



Elementary and Middle School Niederaichbach, Germany © Markus Bachmann



One-coloured, classic round pastille for use in extremely heavy (926) and heavy-traffic areas (825).









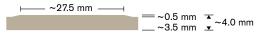






Art. 926/354

□ ~1004 mm x 1004 mm



nora® profile connection dimension: E + U Resists most oils and greases Slip resistant R9

These colours can also be delivered as:

→ Stairtread norament® 926, page 70

Â

norament® 992 for extreme requirements, page 54 * norament® 825



Art. 825/1902

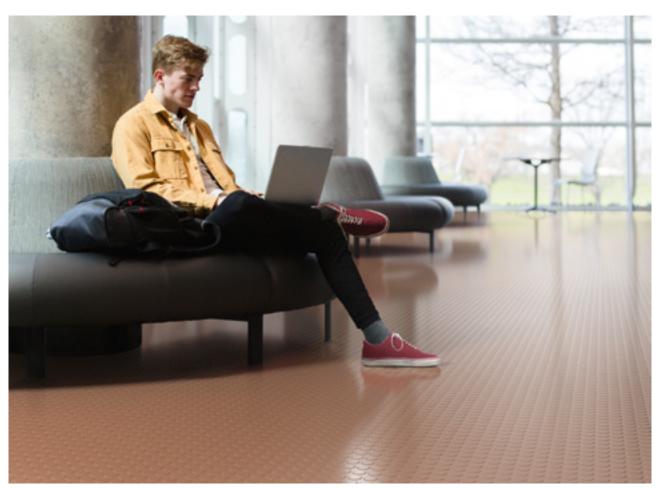
 \square ~501 mm x 501 mm



 $nora^{\text{®}}$ profile connection dimension: D + U Slip resistant R9

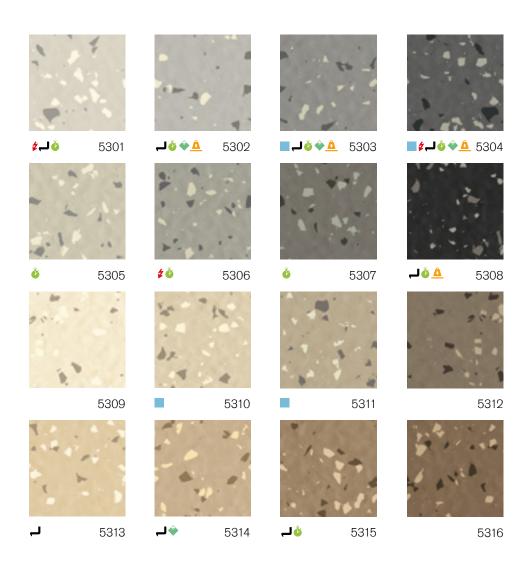
* These colours can also be delivered as norament® 825.

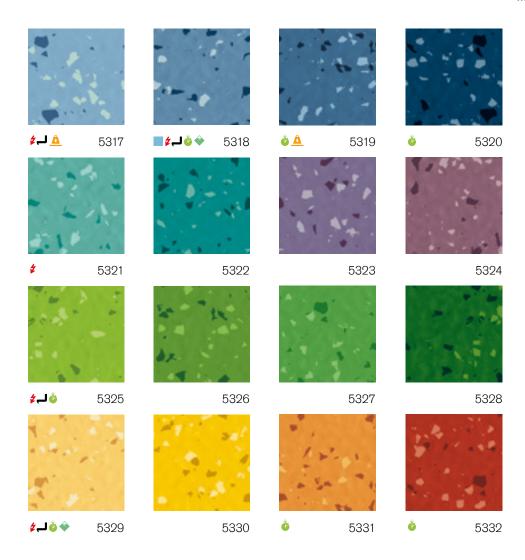
Special colours are available on request. Please ask for minimum quantities and delivery times.



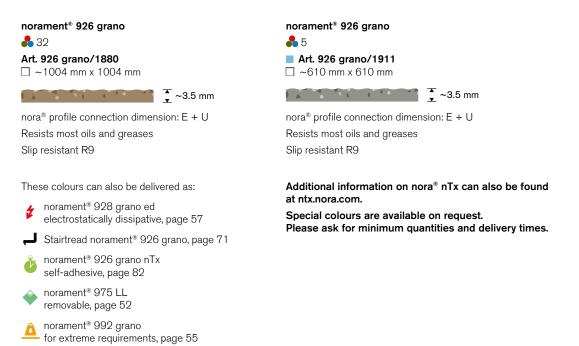


A granular design rich in contrast with a hammerblow surface or a cubic structure for use in extremely heavy-traffic areas.

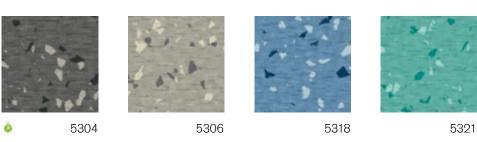


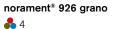


norament® 926 grano · hammerblow surface



norament® 926 grano · cubic structure





Art. 926 grano/1870 □ ~1004 mm x 1004 mm



nora® profile connection dimension: E + U Resists most oils and greases Slip resistant R10



Vehmaan School, Vehmaa, Finnland

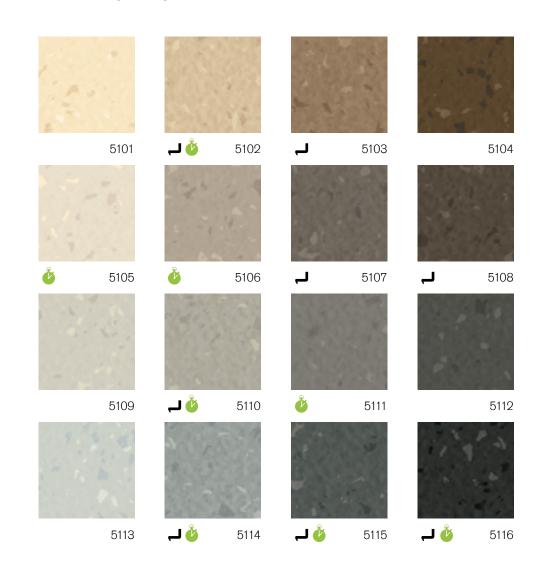


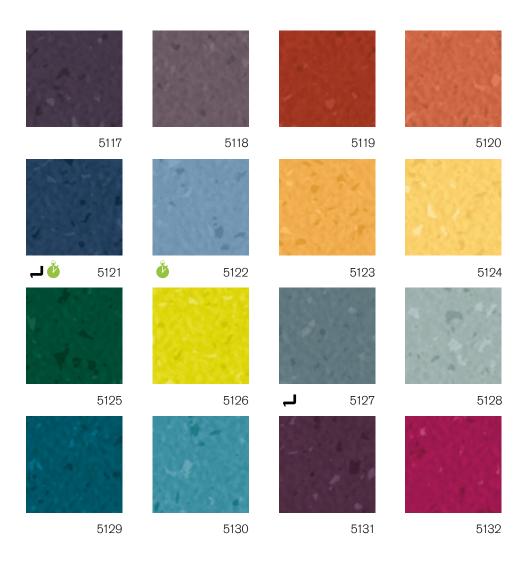
Kita "An der Schutter", Ingolstadt, Germany

© Dirk Wilhelmy



Tone-in-tone granular design with a hammerblow surface for use in extremely heavy-traffic areas.





norament® 926 satura

32

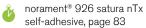
Art. 926 satura/1880

□ ~1004 mm x 1004 mm



nora® profile connection dimension: E + U Resists most oils and greases Slip resistant R9 These colours can also be delivered as:

→ Stairtread norament® 926 satura, page 72

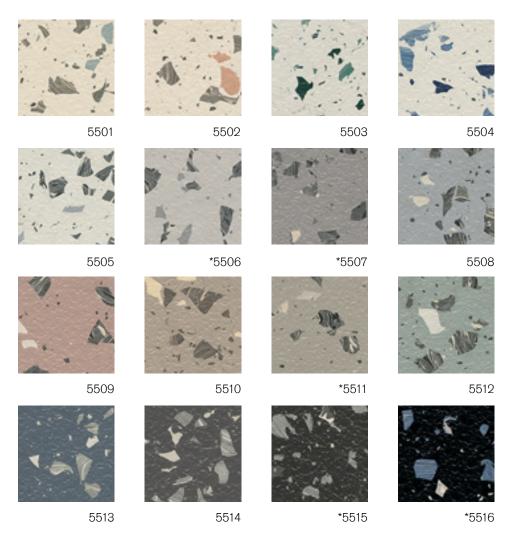


Additional information on nora® nTx can also be found at ntx nora com

Special colours are available on request. Please ask for minimum quantities and delivery times.



A vivid granular design inspired by ancient terrazzo with a slightly structured two-tone surface for maximum demands.



norament® 926 pado

♣ 16

Art. 926 pado/3167□ ~1004 mm x 1004 mm



nora® profile connection dimension: E + U Resists most oils and greases Slip resistant R9

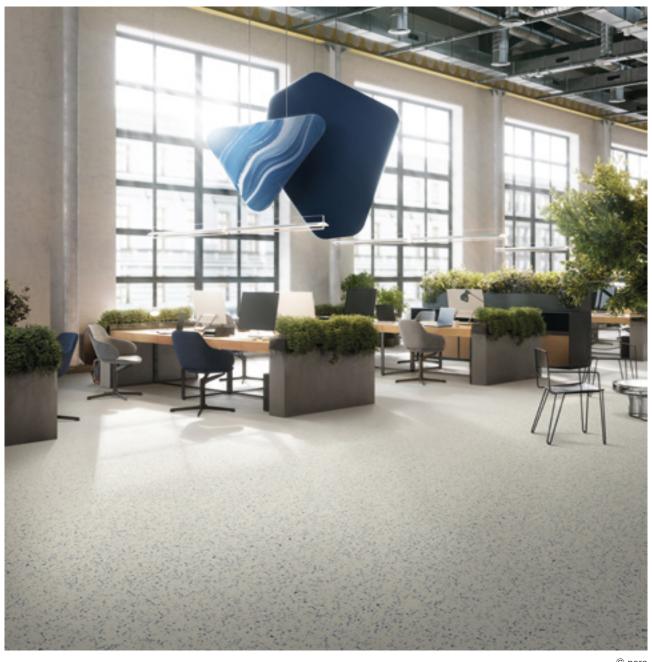
* This colour contains granulate from recycled rubber flooring.



Also available as norament® 926 pado nTx, page 80

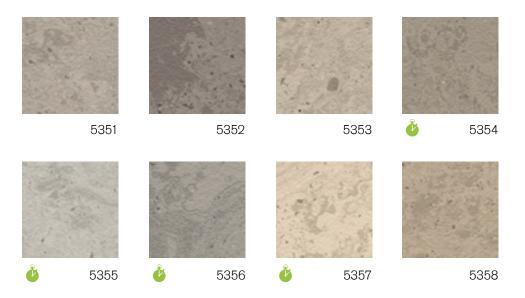
Additional information on nora® nTx can also be found at ntx.nora.com.

Special colours are available on request. Please ask for minimum quantities and delivery times.





Slightly structured two-tone surface combined with an irregular grain design and modern marbling for maximum demands. No two tiles are the same – each tile is totally unique.





norament® 926 castello

8

Art. 926 castello/3167

□ ~1004 mm x 1004 mm



nora® profile connection dimension: E + U Resists most oils and greases Slip resistant R9



norament® 926 castello nTx self-adhesive, page 83

Variations in colour and design, even within one production batch, define the product's aesthetic character.

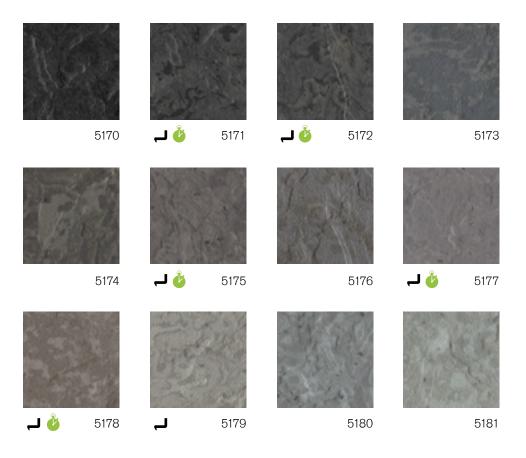
Additional information on nora $^{\! \oplus}$ nTx can also be found at ntx.nora.com.

Special colours are available on request. Please ask for minimum quantities and delivery times.





Flat, direction-oriented relief structure with fine grain design and modern marbling for maximum demands. No two tiles are the same – each tile is totally unique.



norament® 926 arago

♣ 12

Art. 926 arago/3118

□ ~1004 mm x 502 mm

~3.5 mm

nora® profile connection dimension: E + U Resists most oils and greases Slip resistant R10

norament® 926 arago with chamfered edges



Art. 926 arago/3119

□ ~998 mm x 497 mm

1 ~3.5 mm

nora® profile connection dimension: E + U Resists most oils and greases Slip resistant R10 These colours can also be delivered as:

Stairtread norament® 926 arago, page 73



norament® 926 arago nTx self-adhesive, page 83

Order-related smaller formats can be cut for individual installation combinations from norament $^{\tiny\textcircled{\tiny 9}}$ 926 arago tiles with the standard dimensions of 1004 mm x 502 mm.

Variations in colour and design, even within one production batch, define the product's aesthetic character.

We supply tiles with chamfered edges on request such that the tile character of the installed floor covering is even more emphasized.

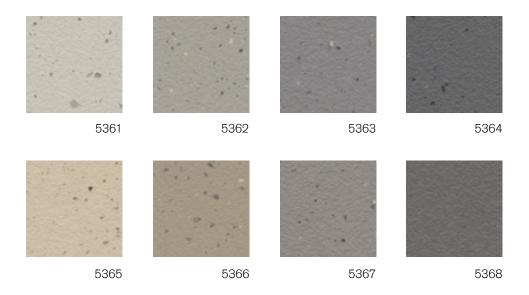
Additional information on nora® nTx can also be found at ntx.nora.com.

Special colours are available on request. Please ask for minimum quantities and delivery times.





Irregular grain design with a slightly structured two-tone surface for high demands.



norament® 926 kivo

8

Art. 926 kivo/3166

□ ~1004 mm x 1004 mm

₹ ~2.7 mm

nora® profile connection dimension: C + U Resists most oils and greases Slip resistant R9 Variations in granulate scattering, even within one production batch, define the product's aesthetic character.

Special colours are available on request. Please ask for minimum quantities and delivery times.

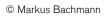


noraplan®





Hospital Floridsdorf, Vienna, Austria





Canteen Otto Group, Hamburg, Germany

© Valeska Achenbach

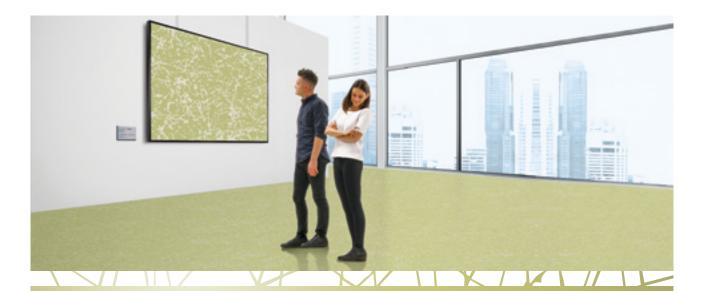


Zalando Headquarter, Berlin, Germany

© Stephan Falk



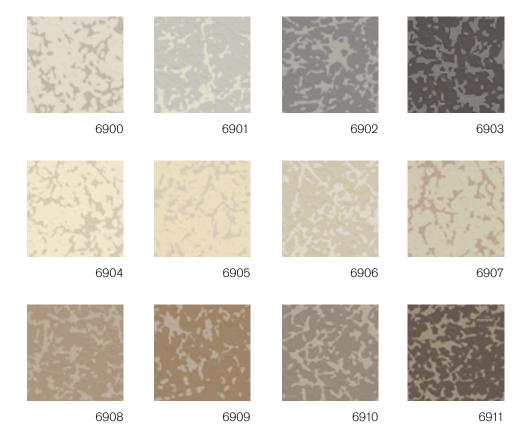
Daycare Hucky Bucky, Berlin, Germany
© HEJM, Architect: baukind, Berlin, Germany

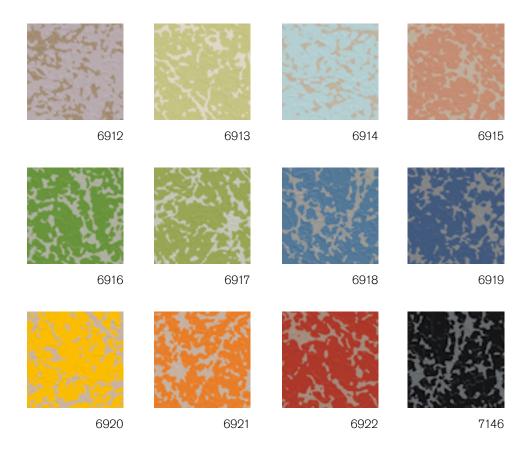


noraplan® lona

Elegant design with silk-matte, lightly structured surface that adds visual depth to the filigree arrangement of contrasting colours and accents.







noraplan® lona

\$ 24

Art. 166B

◯ ~1.22 m x 15.0 m

Art. 266B

□ ~610 mm x 610 mm

15 \square = 5.58 m² in one carton

★ ~2.0 mm

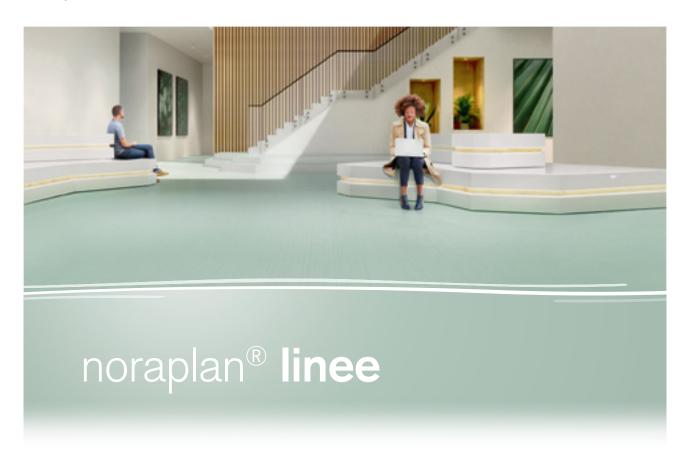
nora® profile connection dimension: A + U Slip resistant R9



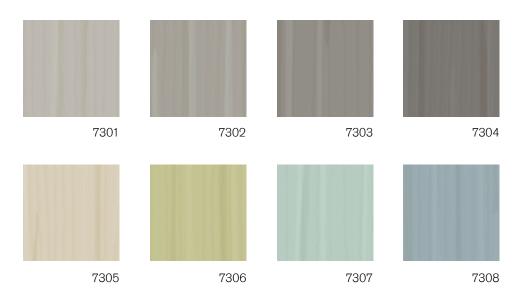
Additional information on nora $^{\rm \tiny B}$ nTx can also be found at ntx.nora.com.

Special dimensions (e.g. short rolls) are available on request. Please ask for minimum quantities and delivery times.





Subtle directional lines create gently shaded contrasts with the base colour. The linear surface at once accentuates and visually supports the restrained design.





noraplan® linee



Art. 160E

◯ ~1.22 m x 15.0 m

1 2.0 mm

nora® profile connection dimension: A + U Slip resistant R9



Also available as noraplan® linee nTx, page 80

Additional information on nora® nTx can also be found at ntx.nora.com.

Special dimensions (e.g. short rolls) are available on request. Please ask for minimum quantities and delivery times.





A changing base colour of harmoniously matched colour compositions with a smooth surface.



6519

6535







■ **‡ ∭ ७** 6520 ■ **‡ ∭ ७** 6521 **≱ ™ ७** 6522 6523

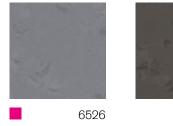
■ **‡ M a** 6517

6524 6525

■ \$\ddot \ddot \ddot

6529

6516



6518



6530 6531

noraplan® sentica

遇 38

M

Art. 1700

◯ ~1.22 m x 15.0 m

Art. 2700

 \square ~610 mm x 610 mm 15 \square = 5.58 m² in one carton

▼ ~2.0 mm

6528

nora® profile connection dimension: A + U Slip resistant R9

noraplan® sentica

14

Art. 1701

◯ ~1.22 m x 12.0 m

Art. 2701

□ ~610 mm x 610 mm 10 \square = 3.72 m² in one carton

____~3.0 mm

nora® profile connection dimension: D + U Slip resistant R9

These colours can also be delivered as:

6536

noraplan® sentica ed electrostatically dissipative, page 58

noraplan® sentica acoustic footfall-sound-absorbing 20 dB, page 61

noraplan® sentica nTx self-adhesive, page 84

Additional information on nora® nTx can also be found at ntx.nora.com.

Special colours and dimensions (e.g. short rolls) are available on request.

Please ask for minimum quantities and delivery



ITZ Freiburg, Germany © Werner Huthmacher

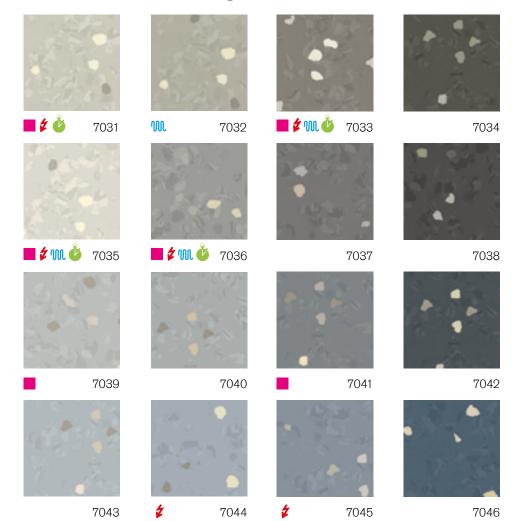


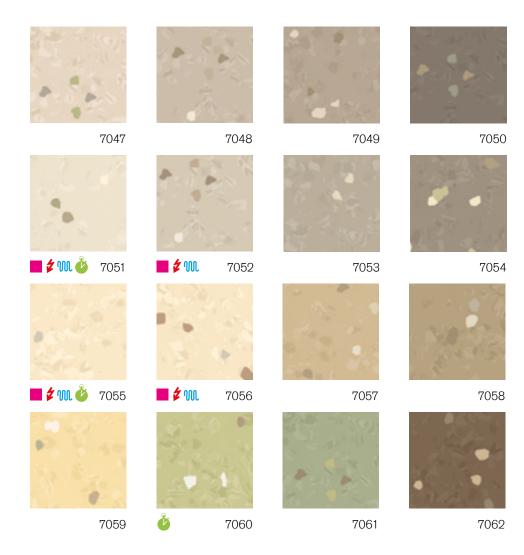
Erwin Fischer School, Greifswald, Germany

© Stephan Falk



A changing base colour consisting of three harmoniously matched colour components and characteristic granule inclusions with a smooth or reflection-breaking surface.





noraplan® signa · smooth surface



48

Art. 1462

~1.22 m x 15.0 m

Art. 2462

 \square ~610 mm x 610 mm

 $15 \square = 5.58 \text{ m}^2 \text{ in one carton}$

₹ ~2.0 mm

nora® profile connection dimension: A + U Slip resistant R9 noraplan® signa

17

Art. 1463

~1.22 m x 12.0 m

Art. 2463

□ ~610 mm x 610 mm

10 \square = 3.72 m² in one carton

<u>▼</u> ~3.0 mm

nora® profile connection dimension: D + U Slip resistant R9

These colours can also be delivered as:

noraplan® signa ed electrostatically dissipative, page 59

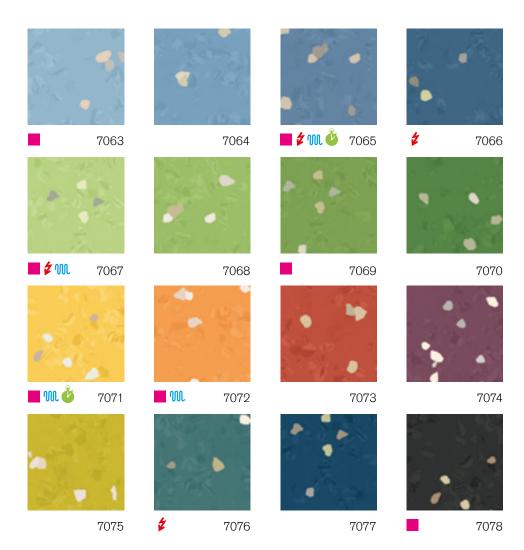
noraplan® signa acoustic footfall-sound-absorbing 20 dB, page 62

noraplan® signa nTx self-adhesive, page 84

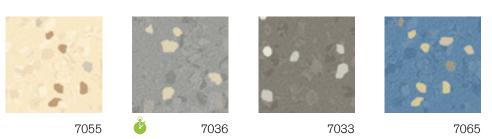
Additional information on nora® nTx can also be found at ntx nora com

Special colours and dimensions (e.g. short rolls) are available on request.

Please ask for minimum quantities and delivery times.



noraplan® signa · reflection-breaking surface





-- 4

Art. 1690

← 1.22 m x 15.0 m

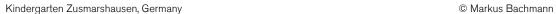
Art. 2690

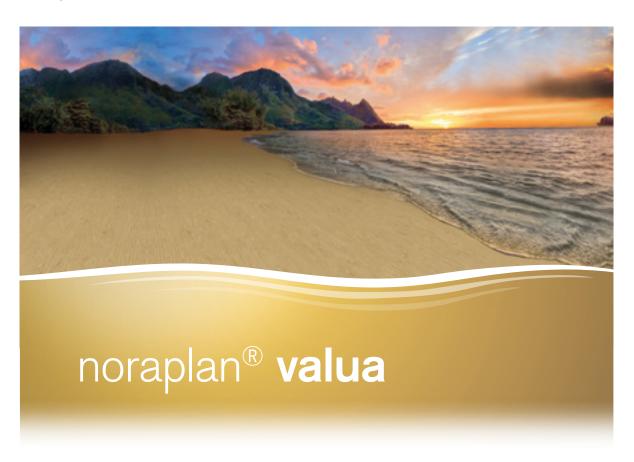
 \square ~610 mm x 610 mm 15 \square = 5.58 m² in one carton

nora® profile connection dimension: A + U

Slip resistant R10







Lively and flowing design with an organic texture in 24 colours inspired by nature and highlighted by a linear surface structure.







♣ 24 Art. 174A ~ 1.22 m x 15.0 m

<u>₹</u> ~2.0 mm

 $nora^{\circ}$ profile connection dimension: A + U Slip resistant R9

Also available as noraplan® valua nTx, page 80

Additional information on nora $^{\! \otimes}$ nTx can also be found at ntx.nora.com.

♣ 24 Art. 175A ~ 1.22 m x 12.0 m

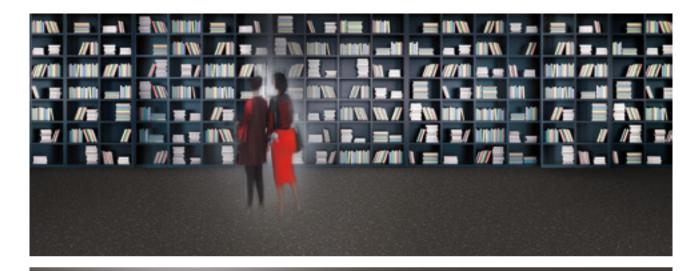
~3.0 mm

 $nora^{\circ}$ profile connection dimension: D + U Slip resistant R9

Special colours and dimensions (e.g. short rolls) are available on request.

Please ask for minimum quantities and delivery times.

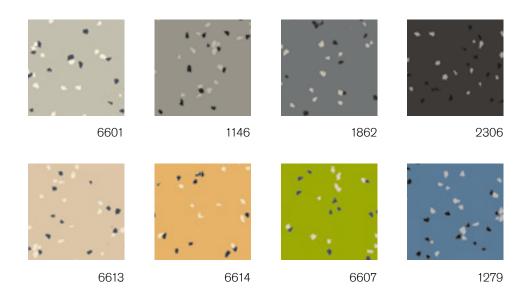




noraplan® stone

Discreet, non-directional scatter design available with both reflection-breaking and smooth surfaces.

noraplan® stone · smooth surface



noraplan® stone

Art. 1600

◯ ~1.22 m x 15.0 m

Art. 2600

 \square ~610 mm x 610 mm 15 \square = 5.58 m² in one carton

→ ~2.0 mm

nora® profile connection dimension: A + U Slip resistant R9

noraplan® stone · reflection-breaking surface



noraplan® stone



Art. 149

~1.22 m x 15.0 m

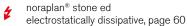
Art. 249

 \square ~610 mm x 610 mm 15 \square = 5.58 m² in one carton

₹ ~2.0 mi

 $nora^{\oplus}$ profile connection dimension: A + U Slip resistant R10

These colours can also be delivered as:



noraplan® stone acoustic football-sound-absorbing 20 dB, page 63

Also available as noraplan® stone nTx, page 80

Additional information on nora $\ensuremath{^{\circ}}$ nTx can also be found at ntx.nora.com.

Special colours and dimensions (e.g. short rolls) are available on request.
Please ask for minimum quantities and delivery times.



One-coloured with a smooth surface.





noraplan® uni

\$ 20

Art. 2461

 \square ~610 mm x 610 mm 15 \square = 5.58 m² in one carton

★ ~2.0 mm

nora® profile connection dimension: A + U Slip resistant R9

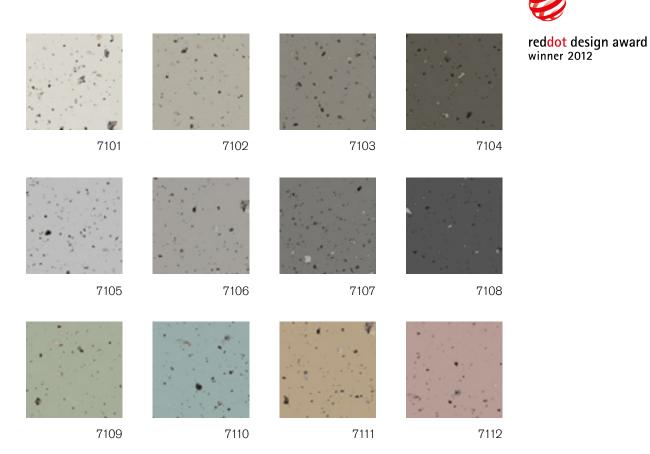
Special colours and dimensions (e.g. short rolls) are available on request. Please ask for minimum quantities and delivery times.

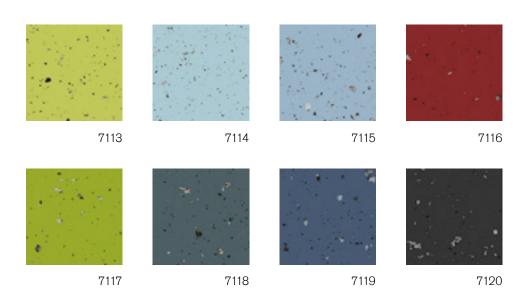


Library Rottenburg, Germany



A perfect combination of permanently resilient rubber and randomly dispersed granite chips with a smooth surface. The fine scatter of chips in noraplan® unita lends it a discreet appearance. The design is deliberately purist and simple.





noraplan® unita

\$ 20

Art. 1640

~ 1.22 m x 15.0 m

nora® profile connection dimension: A + U Slip resistant R9

Please note: Granite is a natural product. For this reason, slight colour deviations may occur in the stone even within the same batch.

Special colours and dimensions (e.g. short rolls) are available on request.

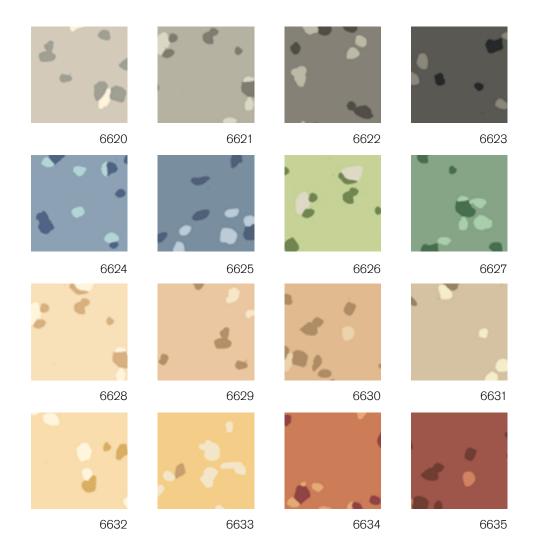
Please ask for minimum quantities and delivery times.



Theatre for Niedersachsen, Hildesheim, Germany



Design with large, contrasting granules with a smooth surface.



noraplan® eco

♣ 16

Art. 1490

○ ~1.22 m x 15.0 m

Art. 2490

 \square ~610 mm x 610 mm

15 \square = 5.58 m² in one carton

▼ ~2.0 mm

nora® profile connection dimension: A + U Slip resistant R9



Also available as noraplan® eco nTx, page 80

Additional information on nora® nTx can also be found at ntx.nora.com.

Special colours and dimensions (e.g. short rolls) are available on request.

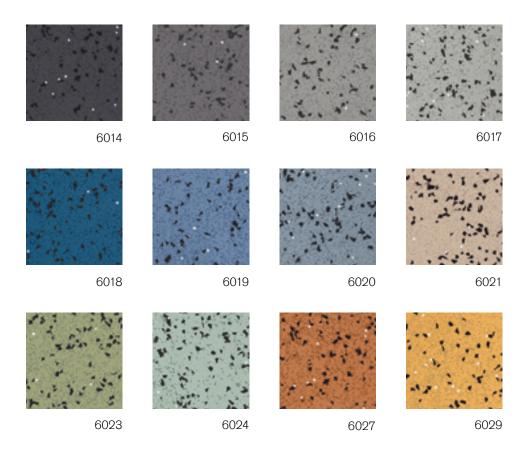
Please ask for minimum quantities and delivery times.





noraplan® ultra grip

Safety floor covering with increased slip resistance, TRRL Pendulum Test 36+ in the wet and RZ value 20.1. Slip resistance R11 according to DIN 51130 and DGUV 108-003.



noraplan® ultra grip

Design with discretely dispersed granite chips

12

Art. 1569

~ 1.20 m x 15.0 m

▼ ~2.0 mm

nora® profile connection dimension: A + U Resists most oils and greases Slip resistant R11

Special colours and dimensions (e.g. short rolls) are available on request.

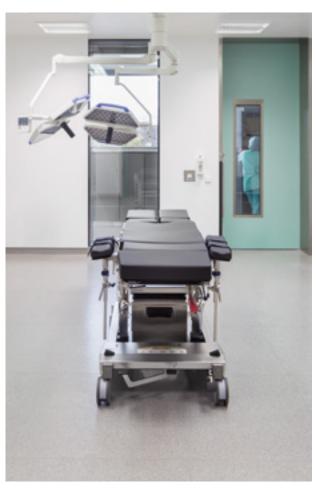
Please ask for minimum quantities and delivery times.



nora® special floorings

We have developed our special floorings for areas subject to special technical standards and requirements. These include e.g. acoustic coverings with an impact sound improvement index of 20 dB, electrostatically dissipative or conductive qualities, or highly specialised solutions for ice rinks, golf facilities, and many more. With noracare® we also offer a special sheet flooring for areas with extraordinary demands on hygienic cleaning and maintenance as well as stain and chemical resistance. Get to know the range of designs and variants on the following pages.



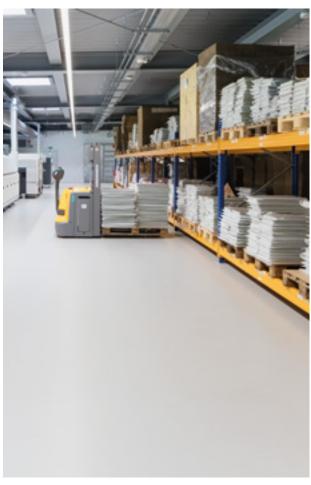


Hospital Aichach, Germany



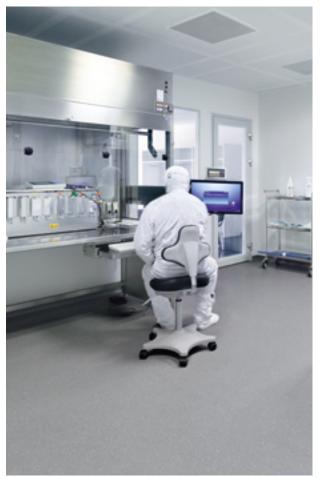


Agilent Technologies Deutschland GmbH & Co. KG, Waldbronn, Germany © Atelier Dirk Altenkirch



Seitec Elektronik GmbH, Elsteraue, Germany

© Dirk Wilhelmy



Ries Apotheken, Nördlingen, Germany

© Oliver Heinemann

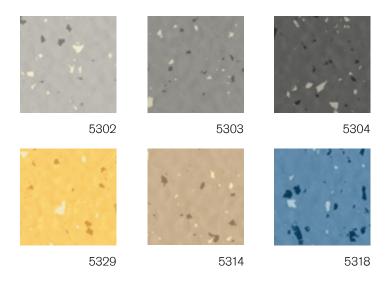
norament® 975 LL 🔷

Removable floor covering that can be quickly installed with the help of an appropriate tackifier. Once fitted it can be used immediately. Particularly suitable for raised access panels, existing old floor coverings and for temporary installations.

norament 975 LL contains 30% recycled content.



norament® 975 LL · grano design Hammerblow surface



norament® 975 LL

& 6

Art. 975 LL/1880

□ ~1000 mm x 1000 mm



~3.5 mm

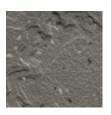
nora® profile connection dimension: E + U Slip resistant R9

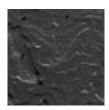
Special colours are available on request. Please ask for minimum quantities and delivery times.

The differences between the design of norament® 975 LL and the standard product norament® 926 grano are production-related. Please request individual colour samples of the required norament® product.



norament® 975 LL · serra design Relief structure





4930 4929

Please note: We supply tiles with chamfered edges on request (Art. 3043).

norament® 975 LL

2

Art. 975 LL/3042

□ ~1000 mm x 500 mm



 $\label{eq:connection} \mbox{nora}^{\mbox{\tiny \$}} \mbox{ profile connection dimension: E + U } \\ \mbox{Slip resistant R10}$

Special colours are available on request. Please ask for minimum quantities and delivery times.

As a genre loose laid flooring may not be the best solution under certain conditions. We are happy to advise you if the floor in your room is subject to:

- High or regular exposure to moisture
- High or frequently occurring dynamic pressure loads (e.g. using forklifts)
- High temperature fluctuations



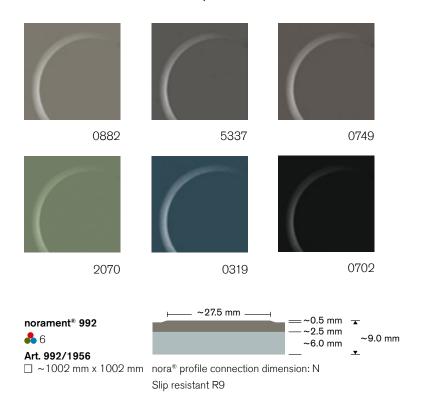
norament® 992/992 grano 🔔

For areas with extreme requirements (e.g. ice rinks, golf clubs, animal stables, etc.).





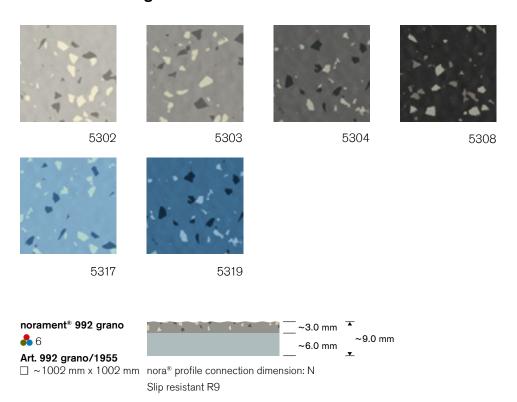
norament® 992 · round pastille



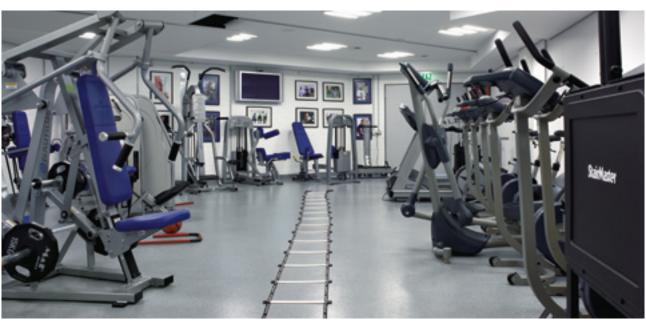
Special colours are available on request. Please ask for minimum quantities and delivery times.



norament® 992 grano · hammerblow surface



Special colours are available on request. Please ask for minimum quantities and delivery times.

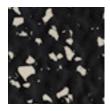


norament® and noraplan® ec 🕏



Electrostatically conductive "ec" floorings for optimum ESD protection of electronic devices and equipment. Suitable for areas with a risk of explosions.

norament® 927 grano ec



norament® 927 grano ec

1

Art. 927 grano ec/1880

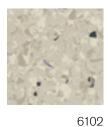
□ ~1004 mm x 1004 mm

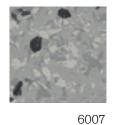
nora® profile connection dimension: E + U Slip resistant R9

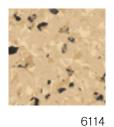
Suitable for fork-lift-truck areas. Largely resistant to acids and alkalis.

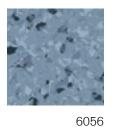
4617

noraplan® astro ec









noraplan® astro ec

♣ 4

Art. 266C □ ~610 mm x 610 mm

15 \square = 5.58 m² in one carton \bigcirc \bigcirc ~2.0 mm

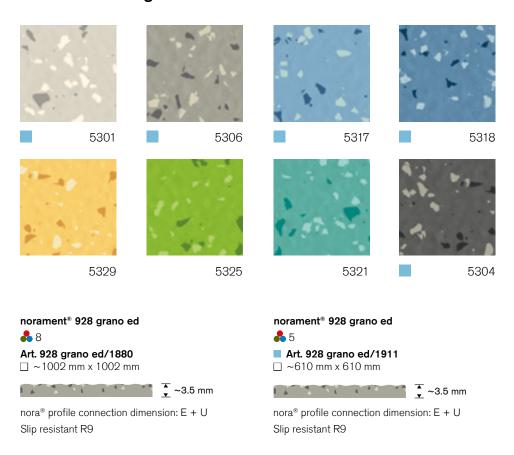
nora® profile connection dimension: A + U Slip resistant R9 Special dimensions (e.g. short rolls) are available on request. Please ask for minimum quantities and delivery times.

norament® ed 🕏



Electrostatically dissipative "ed" floorings for optimum ESD protection of electronic devices and equipment. Protect against electrical shock, resist most oils and greases and are suitable for forklift truck areas.

norament® 928 grano ed



Special colours are available on request. Please ask for minimum quantities and delivery times.

Quick-Installation of nora® ESD floorings

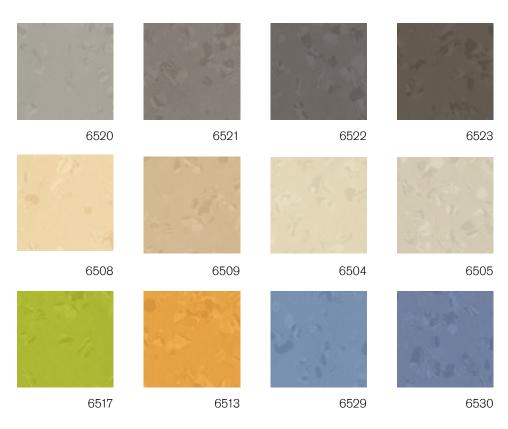
nora ESD floorings can be installed with the unique dry adhesive nora dryfix ed. It accelerates the installation with a high reliability and reduces downtimes significantly. More information can be found on page 92.

noraplan® ed 🕏



Electrostatically dissipative "ed" floorings for optimum ESD protection of electronic devices and equipment. Protect against electrical shock, resist most oils and greases.

noraplan® sentica ed



noraplan® sentica ed

\$ 12

Art. 1702

~ 1.22 m x 15.0 m

Art. 2702

□ ~610 mm x 610 mm

15 \square = 5.58 m² in one carton

★ ~2.0 mm

nora® profile connection dimension: A + U Slip resistant R9 noraplan® sentica ed

\$ 12

Art. 1703

~1.22 m x 12.0 m

<u>♣</u> ~3.0 mm

nora® profile connection dimension: D + U Slip resistant R9

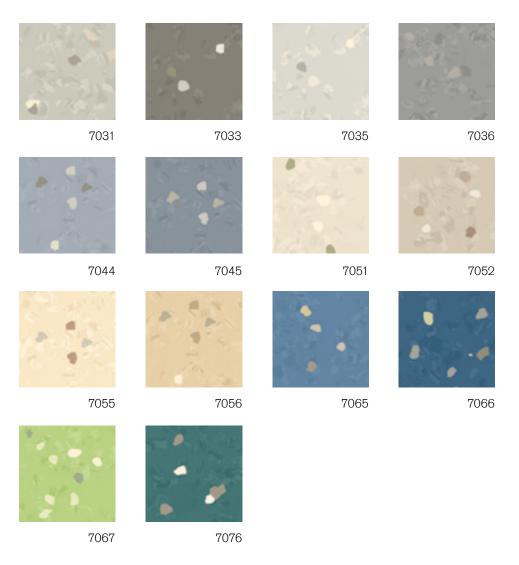
Please note: The colours 6504, 6505 and 6508 are only recommended for areas with a low incidence of stains and dirt (e.g. **not** for OP theatres or intensively frequented areas).

Please note: noraplan® ed floorings must be sealed with nora® joint-sealing compound.

Special colours and dimensions (e.g. short rolls) are available on request.

Please ask for minimum quantities and delivery times.

noraplan® signa ed



noraplan® signa ed

 14

Art. 1390

~1.22 m x 15.0 m

Art. 2390

 \square ~610 mm x 610 mm 15 \square = 5.58 m² in one carton

₹ ~2.0 mm nora® profile connection dimension: A + U

Slip resistant R9

Please note: noraplan® ed floorings must be sealed with nora® joint-sealing compound.

noraplan® signa ed

 14

Art. 1523

~1.22 m x 12.0 m

T ~3.0 mm

nora® profile connection dimension: D + U

Slip resistant R9

Special colours and dimensions (e.g. short rolls) are available on request.

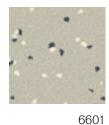
Please ask for minimum quantities and delivery times.

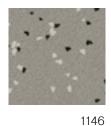
noraplan® ed 🕏

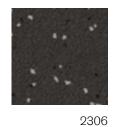


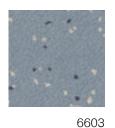
Electrostatically dissipative "ed" floorings for optimum ESD protection of electronic devices and equipment. Protect against electrical shock, resist most oils and greases.

noraplan® stone ed · reflection-breaking surface









noraplan® stone ed

4

Art. 129

~1.22 m x 15.0 m

Art. 229

□ ~610 mm x 610 mm

 $15 \square = 5.58 \text{ m}^2 \text{ in one carton}$

₹ ~2.0 mm

nora® profile connection dimension: A + U Slip resistant R10

Please note: noraplan® ed floorings must be sealed with nora® joint-sealing compound.

Special colours and dimensions (e.g. short rolls) are available on request.

Please ask for minimum quantities and delivery times.

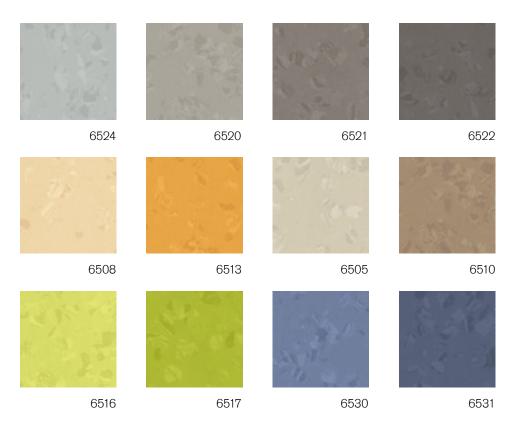


Hospital Karlsruhe, Germany

noraplan® acoustic M

For high footfall sound absorption with a footfall sound absorption improvement of 20 dB.

noraplan® sentica acoustic



noraplan® sentica acoustic

♣ 12

Art. 1705

◯ ~1.22 m x 12.0 m

= ~1.6 mm = ~4.0 mm

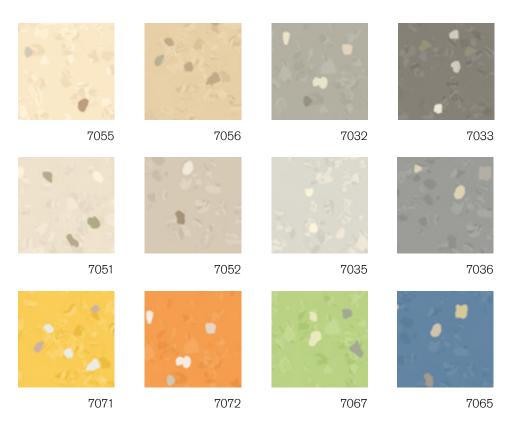
nora® profile connection dimension: F + U Slip resistant R9 Please note: noraplan® acoustic floorings must be sealed with nora® hot welding rod.

Special colours and dimensions (e.g. short rolls) are available on request.
Please ask for minimum quantities and delivery times.

noraplan® acoustic M

For high footfall sound absorption with a footfall sound absorption improvement of 20 dB.

noraplan® signa acoustic



noraplan® signa acoustic



Art. 1420

◯ ~1.22 m x 12.0 m

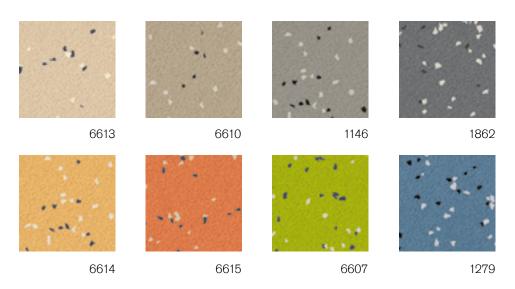


nora® profile connection dimension: F + U Slip resistant R9 Please note: noraplan® acoustic floorings must be sealed with nora® hot welding rod.

Special colours and dimensions (e.g. short rolls) are available on request.

Please ask for minimum quantities and delivery times.

noraplan® stone acoustic · reflection-breaking surface



noraplan® stone acoustic

8 🦺

Art. 148

~1.22 m x 12.0 m

 $nora^{\circ}$ profile connection dimension: F + U Slip resistant R10

Please note: noraplan® acoustic floorings must be sealed with nora® hot welding rod.

Special colours and dimensions (e.g. short rolls) are available on request.

Please ask for minimum quantities and delivery times.



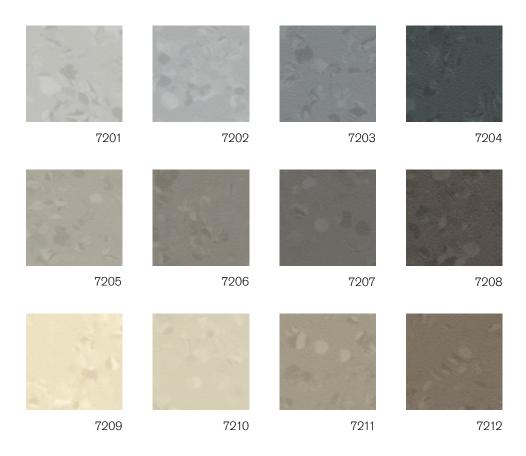
noracare®

Special sheet flooring for areas with extraordinary demands on hygienic cleaning and maintenance as well as stain and chemical resistance.

noracare® seneo

Single-coloured design with iridescent marbled colour granules, which are harmoniously matched to the base colour with minimal contrast. Close up, the 24 colours of the noracare® seneo colour palette create a perceptible pattern, while from a distance they appear almost uni-coloured.







noracare® seneo

\$ 24

Art. 133E

~1.22 m x 15.0 m

■ **全** ~2.0 mm

nora® profile connection dimension: A + U Slip resistant R10

Special colours and dimensions (e.g. short rolls) are available on request. Please ask for minimum quantities and delivery times.

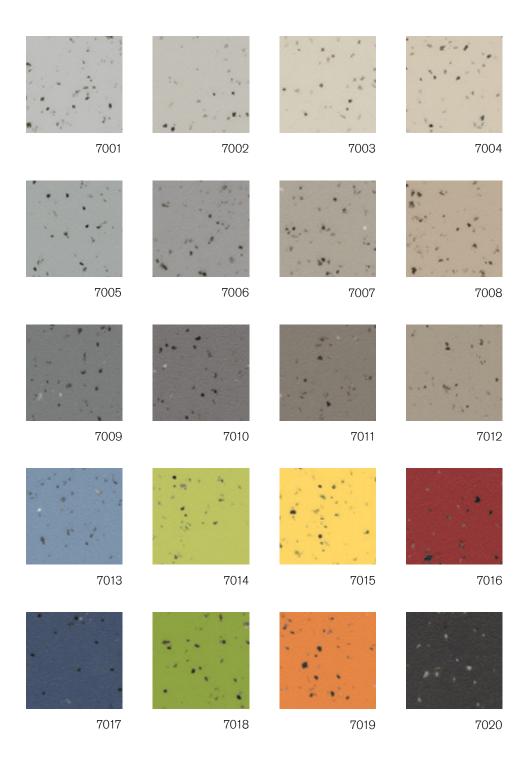


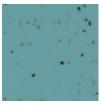
noracare®

noracare® uneo

Single-coloured design with randomly scattered granite splinters, with a smooth surface. The harmoniously coordinated colour palette of noracare® uneo lends your rooms an unmistakable character.







noracare® uneo

21

Art. 140D

◯ ~1.22 m x 15.0 m

₹ ~2.0 mm

nora® profile connection dimension: A + U

7021 Slip resistant R10

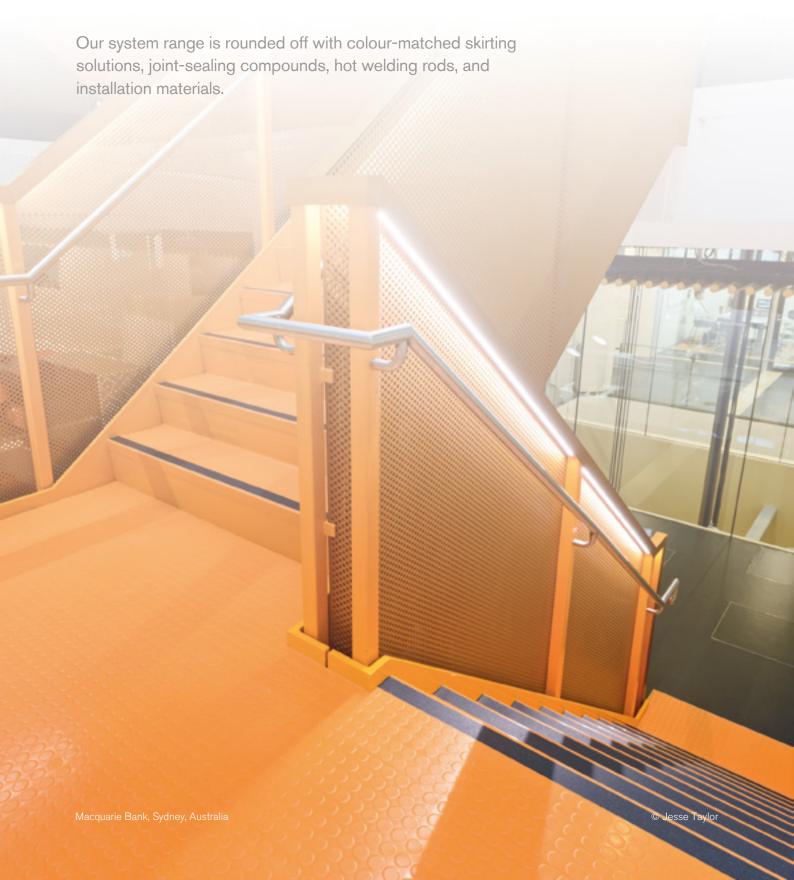
Special colours and dimensions (e.g. short rolls) are available on request.

Please ask for minimum quantities and delivery



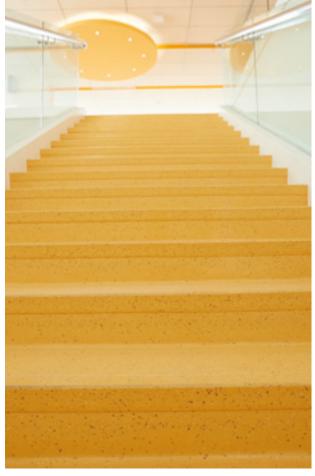
nora® stairwell solutions

Individual requirements for stairwells are best fulfilled by our extensive system programme, from the tailored norament® stairtread with integrated pre-shaped stair nosing, riser, and tread to individual combinations of stair angles, stair nosings, and integrated safety stripes.



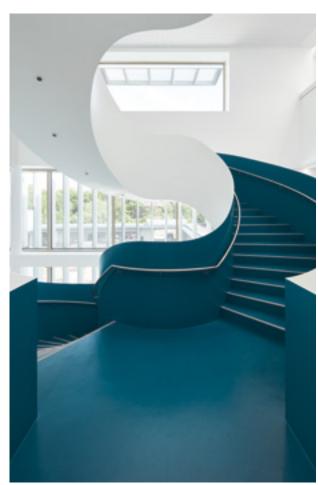






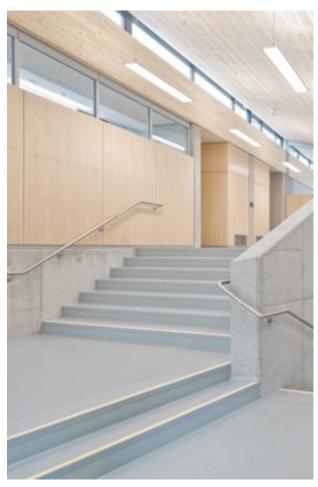
ECNU affiliated bilingual school, Shanghai, China





Professional School Deggendorf, Germany





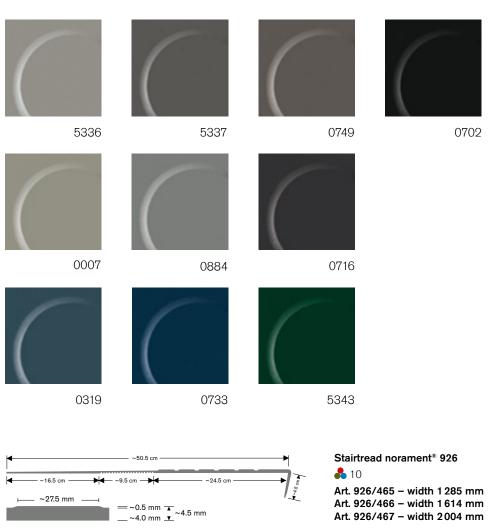
Schubart Grammar School, Aalen, Germany
© Valentin Schmied / Liebel Architekten BDA

norament® stairtreads

Pre-shaped stair coverings consisting of stair nosing, riser and tread all in one piece for straight steps with right-angled edge. For extremely heavy-traffic stairwell areas.

Stairtread norament® 926

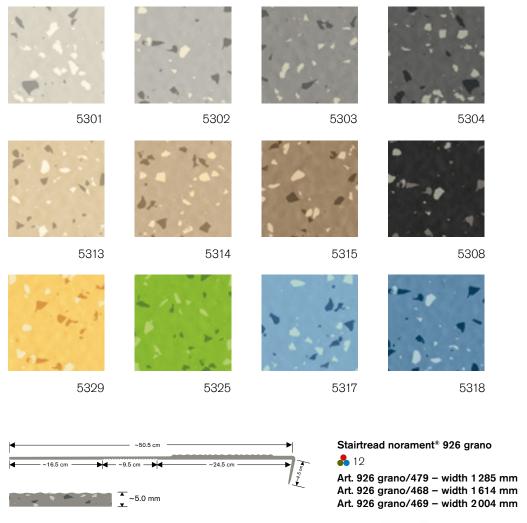
One-coloured with classic round pastille. Improves footfall sound absorption by 12 dB.





Stairtread norament® 926 grano

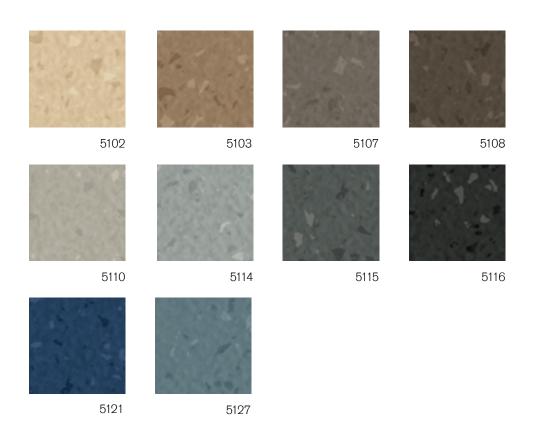
Granular design rich in contrast with a hammerblow surface. Improves footfall sound absorption by 12 dB.

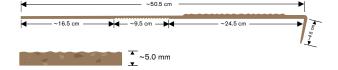




Stairtread norament® 926 satura

Tone-in-tone granular design with a hammerblow surface. Improves footfall sound absorption by 12 dB.





Stairtread norament® 926 satura

5 10

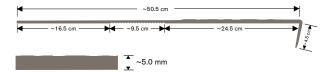
Art. 926 satura/479 – width 1 285 mm Art. 926 satura/468 – width 1 614 mm Art. 926 satura/469 – width 2 004 mm



Stairtread norament® 926 arago

Flat, direction-oriented relief structure with fine grain design and modern marbling. Improves footfall sound absorption by 12 dB.





Variations in colour and design, even within one production batch, define the product's aesthetic character.

Stairtread norament® 926 arago

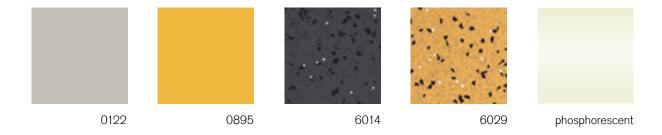


Art. 926 arago/3170 - width 1285 mm Art. 926 arago/3171 - width 1614 mm Art. 926 arago/3172 - width 2004 mm



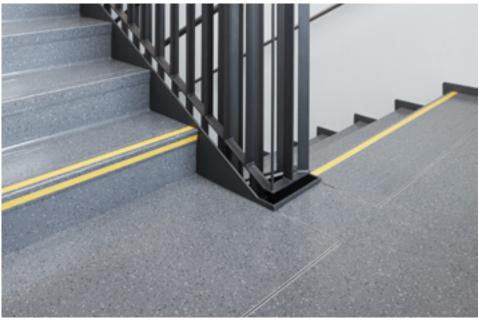
norament® stairtreads with signal or safety stripes

norament® stairtreads can be additionally equipped with the following signal or safety stripes:



- Signal stripes uni, in widths of 2, 3, 4 or 5 cm (5 cm only available for stairtread norament® 926 arago or for stairtreads with hammerblow surface) in the colours 0122 light grey and 0895 signal yellow, integrated into the tread area. Also available in widths of 2 or 3 cm set into the vertical part of the stair nosing.
- Safety stripes ultra grip for increased slip resistance in widths of 2, 3, 4 or 5 cm (5 cm only available for stairtread norament® 926 arago or for stairtreads with hammerblow surface) in the colours 6029 yellow and 6014 grey, integrated into the tread area. Also available in widths of 2 or 3 cm set into the vertical part of the stair nosing.
- Signal stripes, yellow, phosphorescent in accordance with DIN 67510, in a width of 2 cm, integrated into the tread area of the stair nosing.

Signal and safety stripes in other widths and colours are available on request. Please ask for minimum quantities and delivery times.

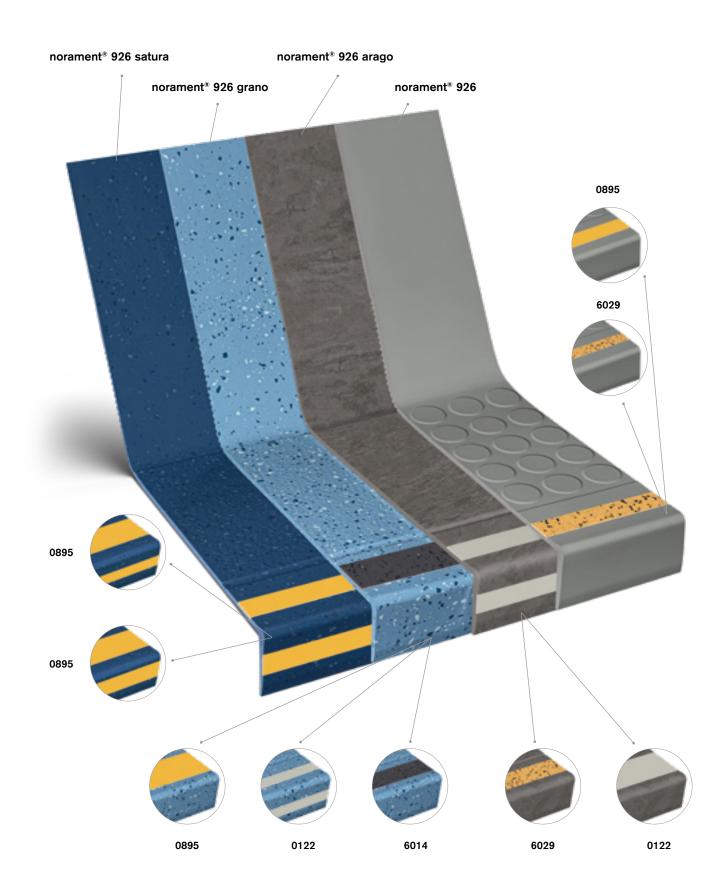


Elementary and Middle School, Niederaichbach, Germany

© Markus Bachmann

Most frequently used stripe combinations

Further options are available.



nora® stair accessories

The nora accessory range is made of rubber matched to suit the respective norament and noraplan floor coverings. They can also be used in combination with other types of flooring. nora profiles are impact and shock resistant and do not shrink. They contain no phthalate plasticisers and retain their functional reliability for many years.

nora® stair nosings

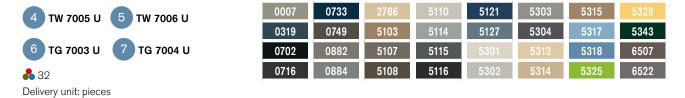
With plug-in lip for quick and easy installation on all types of staircases.



Delivery unit: 2.7 r.m.

nora® stair angles

For the smooth finishing of right-angled stairs to the wall and banister side.



nora® skirting and stringer profile



nora® stair margin



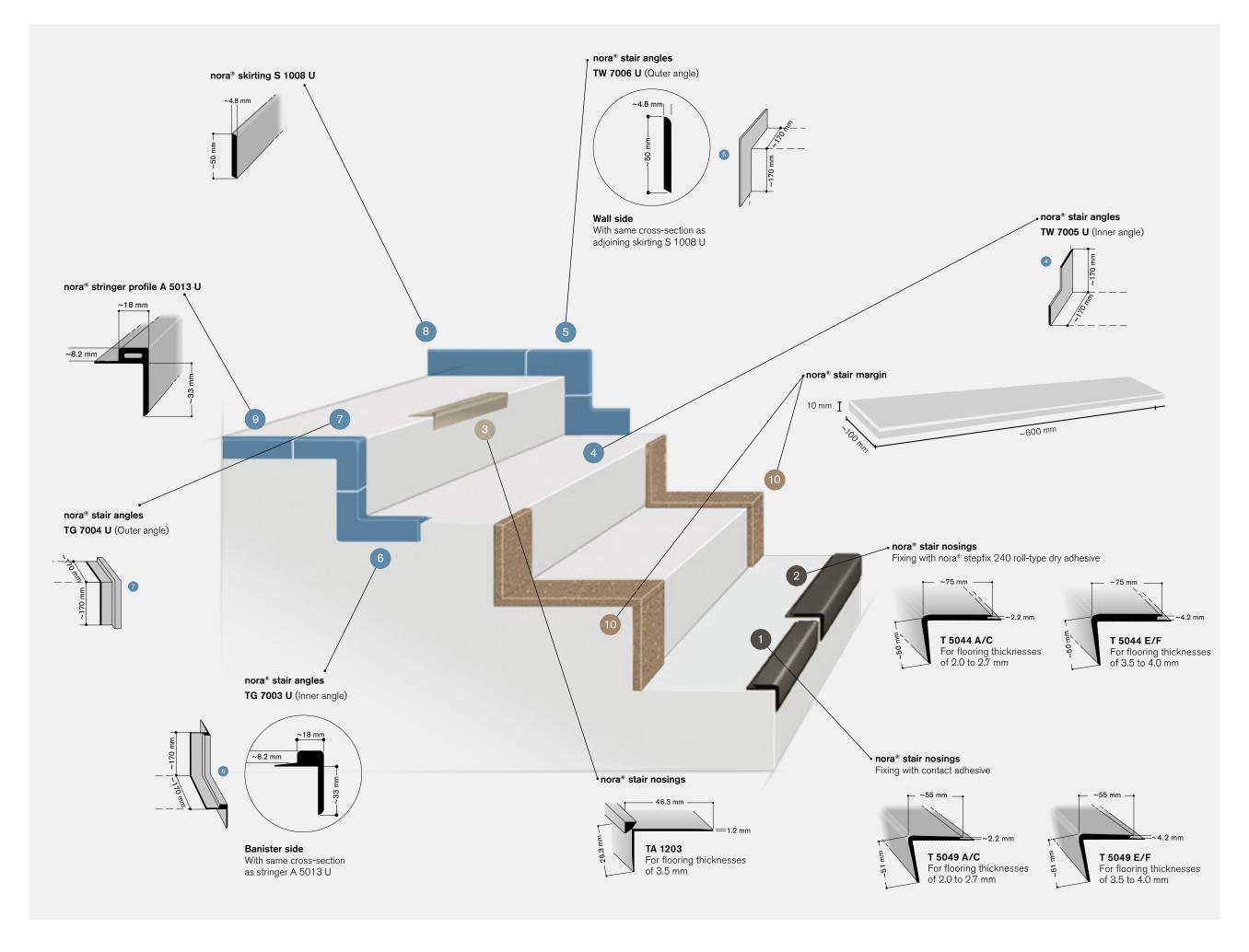
For wall and banister side. Hammerblow surface with granular design.

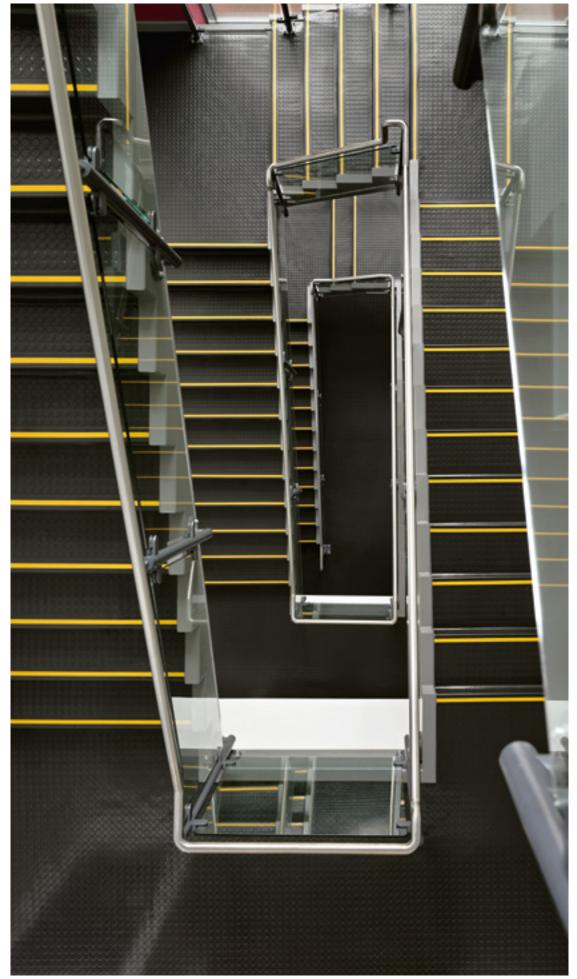
Art. 819

~600 mm x 100 mm

Thickness 10 mm

Supplied as: pieces





Hammersmith Academy London, UK

© Oliver Heinemann

78 nora® stair accessories

nora® stepfix 240

Special roll-type dry adhesive

For quick installation of norament® stairtreads, stairwell installations with nora® stair nosing T 5044 and nora® stair margin.

A cost-effective innovation in adhesives. Suitable for new builds and renovation projects. Advantages: 3-5 times faster to install, odourless, can be walked on immediately, economical and reliable thanks to excellent bonding performance.

Art. 907

Delivery unit: 1 roll of 50 r.m. in one carton

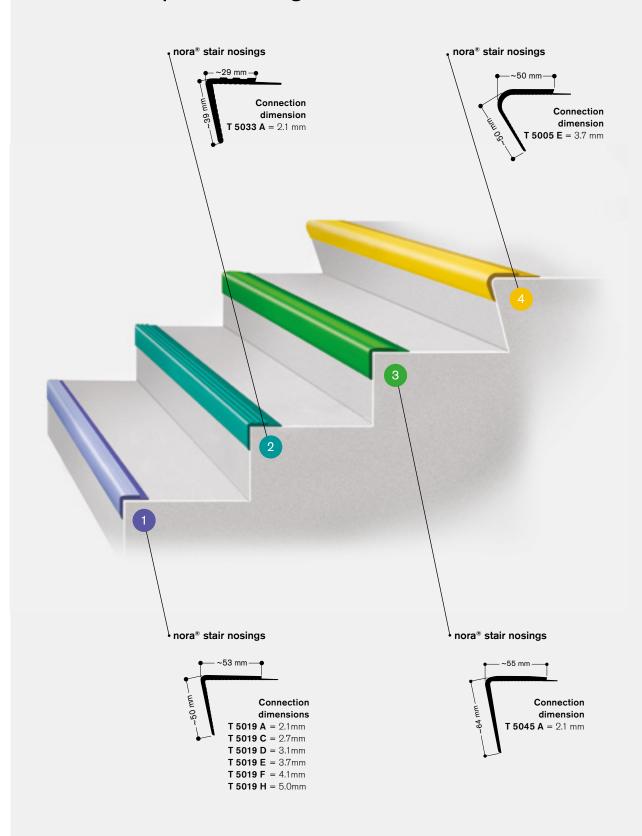
nora® special range for stairwell areas

The special range offers profiles with different cross-sections for further applications. The profiles shown here are examples only. Further individual designs are available on request. Delivery units and minimum order quantities on request.

nora® stair nosings

T 5019/T 5033/T 5045/T 5005

nora® special range

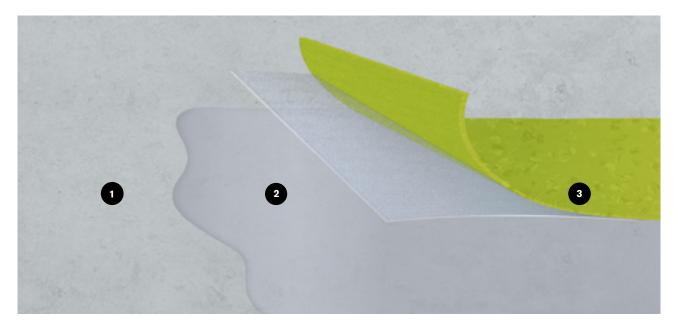


nora® nTx 🕹

The revolutionary quick installation system

nora nTx is a 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 also offers a range of tools and installation material to ensure clean and safe substrate preparation (see page 85).



1 Subfloor 2 nora® nTx 020 (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. nora nTx was awarded the "Plus X Award" in the "High Quality and Functionality" category.

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-warranty.



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 builds also possible with increased residual moisture in the subfloor.

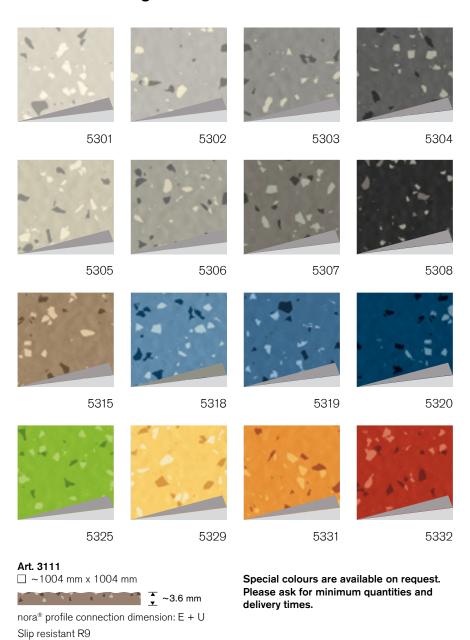


Covering-over-covering installation

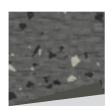
In the case of renovations, installation is possible directly over existing floor coverings in just a few steps.



norament® 926 grano nTx · hammerblow surface



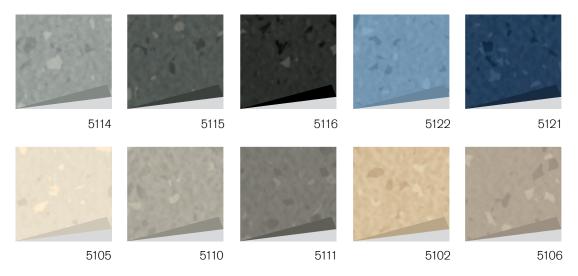
norament® 926 grano nTx · cubic structure



5304

Special colours are available on request. Please ask for minimum quantities and delivery times.

norament® 926 satura nTx · hammerblow surface

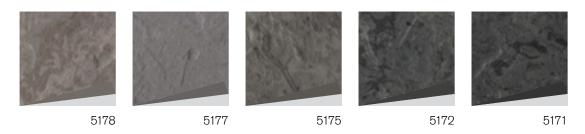


Art. 3111

Slip resistant R9

 Special colours are available on request. Please ask for minimum quantities and delivery times.

norament® 926 arago nTx · relief structure



Art. 3122

□ ~1004 mm x 502 mm

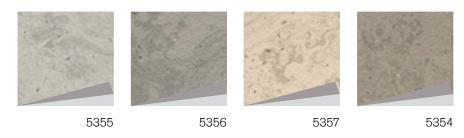
The area of the connection dimension: F + I

nora® profile connection dimension: E + U
Slip resistant R10

We also supply tiles with chamfered edges on request (Art. 3123)

Special colours are available on request. Please ask for minimum quantities and delivery times.

norament® 926 castello nTx · two-tone surface

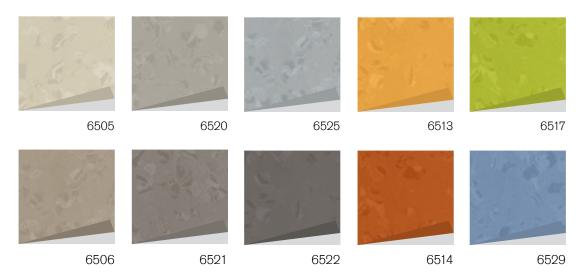


Art. 3177

nora® profile connection dimension: E + U Slip resistant R9

Special colours are available on request. Please ask for minimum quantities and delivery times.

noraplan® sentica nTx · smooth surface

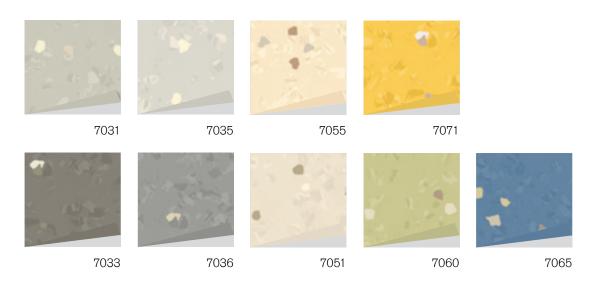


nora® profile connection dimension: A + U Slip resistant R9

Special colours and dimensions (e.g. short rolls) are available on request.

Please ask for minimum quantities and delivery times.

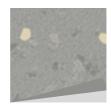
noraplan® signa nTx · smooth surface



Special colours and dimensions (e.g. short rolls) are available on request.

Please ask for minimum quantities and delivery times.

noraplan® signa nTx · reflection-breaking surface



Slip resistant R9

Special colours and dimensions (e.g. short rolls) are available on request. Please ask for minimum quantities and delivery times.

7036

nora® nTx installation material

nora[®] nTx 020 has been developed specifically for nora[®] nTx floor coverings. The perfect matching between the primer and the nora[®] nTx floor coverings provides functional reliability and ensures the highest standards of quality. Moreover, nora[®] nTx 020 can be applied to subfloors with higher residual moisture levels.

nora® nTx 020

1C primer (Bonding agent)

Art. 6684

Primer for improved adhesion Available as 5 kg or 12 kg container

nora® nTx tools

nora® nTx sanding disc incl. nTx K3

Sanding disc for preparing substrates

nora® nTx K3

Sanding tool (fine)

nora® nTx K2

Sanding tool (coarse)

Art. 6685

Suitable sanding discs for the machines: Mambo, Columbus, and Orkan. Already fitted with sanding tool nTx K3.

NOTE: Please specify the machine type in your order

Art. 6686

Sanding tool for nTx sanding disc

Art. 6687

Sanding tool for nTx sanding disc



Sanding disc



Sanding tools

nora one® — a fully certified flooring system

nora one® provides the best possible solution for semi-wet bonding of rubber floor coverings. The combination of low-emission nora floors with suitable floor installation products and flooring installers specially trained by nora form a certified complete system.

This low-emission complete system is certified in line with Indoor Air Comfort GOLD. This eliminates harmful interactions between the separate elements. The individual components have also been awarded the Emicode EC1^{PLUS} certificate.

nora also provides an extended warranty period of eight years on this coordinated complete system.

Your benefits at a glance



A reliable system

- The individual components have been tested as a system and optimally coordinated to function perfectly
- Qualified floor layers ensure high-quality flooring installation
- Avoid downtime, complaints and additional costs



A cooperative partnership

- nora systems is your reliable partner, providing everything you need from one source
- Support through all phases of your project
 - Tender and bid support
 - Creation of installation recommendations
 - Complete and transparent documentation of laying work
 - Advice on cleaning and maintenance



A secure investment

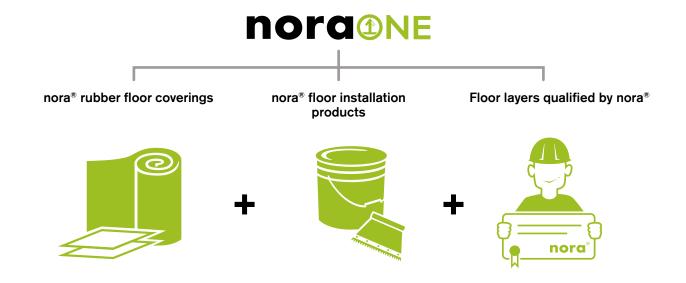
- Extended warranty period of eight years on the entire system
- Improved interior environment for long-term retention of property value



Healthy indoor air

- Low emissions
- No harmful interactions between the individual components
- Awarded Indoor Air Comfort Gold, Greenguard Gold and Emicode EC1^{PLUS} certificates

Overview of system components



Certified complete system with extended warranty

Our system has been awarded Indoor Air Comfort Gold and Greenguard Gold certificates and achieved positive test results from Polymer Service GmbH Merseburg. This enables us to grant our customers an extended warranty period of eight years on the nora one® complete system.





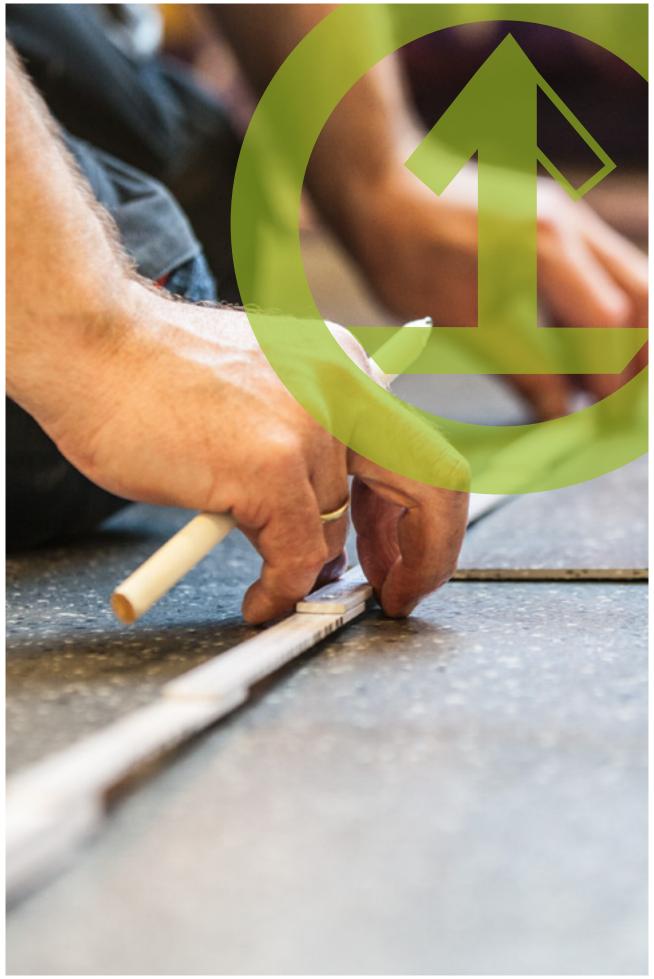




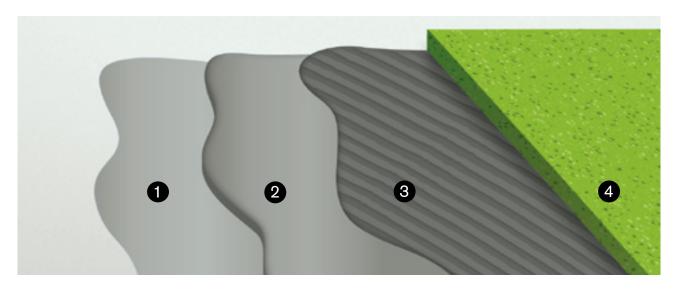


Details of the certified products and further information on eco labels are available at certificates.nora.com or upon request.





A complete system from one source



The nora one® system — 1 Primer, 2 Leveling compound, 3 Adhesive, 4 nora® rubber floor covering

nora one® — available products

We have the perfect floor installation products at hand for almost any subfloor. Choose a product from each of the following categories to create the ideal base. Please contact us if you have any questions.

DORGONE

Primers:			HOIGENE
nora® PRP 101	_	Special primer for porous subfloor	Art. 6699
nora® PRN 102	_	Special primer for non-porous subfloor	Art. 6700
nora® DPM 100	_	2-part epoxy damp proof membrane	Art. 6701
Leveling compounds:			
nora® L 1000	_	High performance self-leveling compound	Art. 6697
nora® SF 1001	_	Internal repair mortar	Art. 6698
nora® fibers	_	Reinforcement fibers for nora® L 1000	Art. 6654
Adhesives:			
nora® AC 100	_	Acrylic adhesive	Art. 6694
nora® ED 120	_	Fiber-reinforced conductive acrylic adhesive	Art. 6695
nora® PU 102	_	2-part polyurethane adhesive	Art. 6696

nora® accessories

Accessory range made of rubber matched to suit nora® floor coverings for convincing solutions both in visual and functional terms. The materials are impact and shock resistant, do not contain any phthalate plasticizers and retain their functional reliability long term.

nora® skirting and skirting angles

Easy to clean, suitable for areas with stringent hygienic requirements.

1 SA 7002 Skirting outer angle

\$\frac{1}{22}\tag{SA 7002 A}

\$\frac{1}{2}\cdot 22^*\$
\$A 7002 D

♣ 8* SA 7002 E

Suitable for Skirting S 3003

Art. 508

Delivery unit: as pieces

Connection dimensions:

A = 2.1 mm

D = 3.1 mm

E = 3.7 mm

*Further colours on request

2 S 3003 Skirting

♣ 22* S 3003 A

\$ 22* \$ 3003 D

♣ 8* **S 3003 E**

Matching with skirting angles SI 7001 and SA 7002.

Art. 726

Delivery unit: in rolls of 10 r.m.

Connection dimensions:

A = 2.1 mm

D = 3.1 mm

E = 3.7 mm

*Further colours on request

3 SI 7001 Skirting inner angle

\$ 22*

SI 7001 A

SI 7001 D

-8 8*

SI 7001 E

Suitable for Skirting S 3003

Art. 507

Delivery unit: as pieces

Connection dimensions:

A = 2.1 mm

D = 3.1 mm

E = 3.7 mm

*Further colours on request

nora® skirting



41* S 1024 U

For areas with stringent requirements in terms of appearance. The permanently resilient sealing lip of S 1024 U reliably accommodates pastille heights of up to 1 mm. Also suitable as wall stringer with raised-access floors.

Art. 713

Delivery unit: in rolls of 10 r.m.

*Further colours on request



\$ 102* \$ 1023 U

For areas with stringent requirements in terms of appearance. The permanently resilient sealing lip of S 1023 U reliably accommodates pastille heights of up to 1 mm. Also suitable as wall stringer with raised-access floors.

Art. 712

Delivery unit: in rolls of 10 r.m.

*Further colours on request



♣ 32* S 1008 U

Multi-purpose skirting Adjoining skirting for nora® stair angles "TW"

Art. 705

Delivery unit: in rolls of 10 r.m.

*Further colours on request

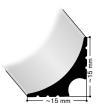
nora® insta

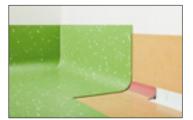
nora® cushioned-edge profile

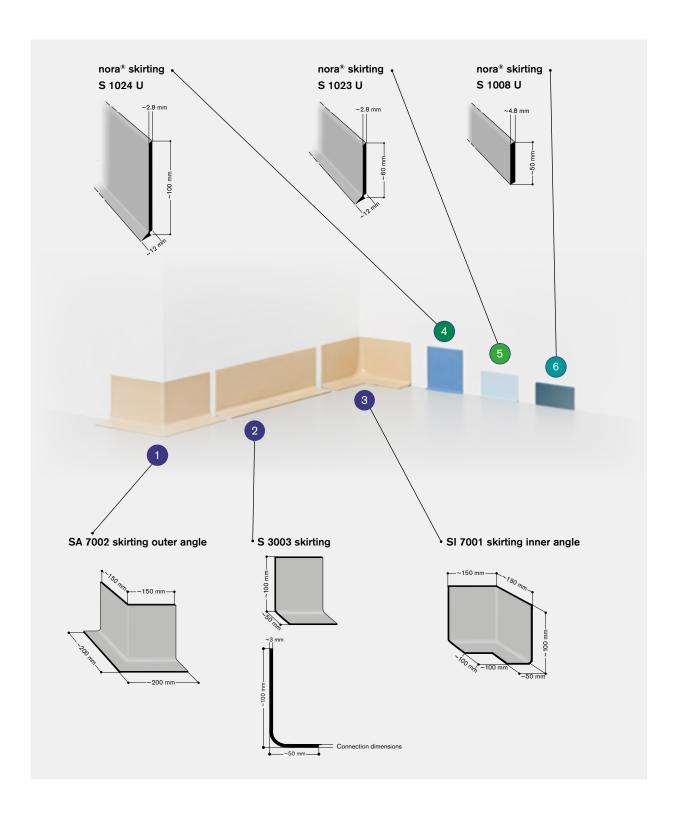
H 9010

For optimum transition between the nora® floor coverings and the wall.

Delivery unit: 5 rolls of 10 r.m. **Art. 7731**







Skirting, S 1023 U

0007	1362	2457	4877	5317	6505	6515	6530	6711	7044
0319	1385	2635	5109	5318	6506	6516	6532	6712	7049
0702	1581	2666	5114	5321	6507	6517	6607	6713	
0716	1862	2925	5115	5325	6508	6518	6608	6714	7052
0749	2098		5121	5329	6509	6519	6609	6721	7065
0882	2099	2946	5122	6173	6510	6522	6611	6722	7066
0884	2144	2949	5128	6178	6511	6523	6616	6723	7067
1146	2380	2950	5301	6500	6512	6525	6708	6725	7072
1150	2382	2962	5304	6501	6513	6528	6709	6728	7076
1162	2446		5306	6504	6514	6529	6710	7033	7102
1279	2454								

Skirting, S 1024 U

0007	0882	1279	2382	2946	5306	6506	6513	6523	7049
0319	0884	1385	2666	4877	5318	6507	6516	6525	7065
0702	1146	1862	2925	5301	6173	6508	6517	7033	7066
0716	1150	2099		5304	6503	6509	6522	7047	7067
07/19									

Skirting, S 1008 U

0007	0733	2786	5108	5115	5127	5303	5314	5318	5343	
0319	0749	5103	5110	5116	5301	5304	5315	5325	6507	
0702	0882	5107	5114	5121	5302	5313	5317	5329	6522	
0716	0884									

Special colours are available on request. Please ask for minimum quantities and delivery times.

Skirting, S 3003 A/S 3003 D Skirting inner angle, SA 7002 A/SI 7001 A/SA 7002 D/SI 7001 D

0882	2382	6504	6509	6517	6530	7033	7044	7052	7065	7067
2099		6508	6513	6529	7031	7035		7056	7066	7076

Skirting, S 3003 E Skirting inner angle, SA 7002 E/SI 7001 E

5301	5304	5306	5317	5318	5321	5325	5329

Joint sealing compound

0007	2647	5111	5307	5361	6500	6528	7001	7038	7066	7116
0131	2666	5112	5308	5362	6501	6529	7002	7039	7067	7117
0319	2681	5113	5310	5363	6502	6530	7003	7040	7068	7118
0597	2781	5114	5311	5364	6503	6531	7004	7041	7069	7119
0702	2786	5115	5313	5365	6504	6532	7005	7042	7070	7120
0716	2787	5116	5314	5366	6505	6533	7006	7043	7071	7201
0733	2848	5117	5315	5367	6506	6534	7007	7044	7072	7202
0749		5118	5317	5368	6507	6535	7008	7045	7073	7203
0882	2931	5119	5318	5508	6508	6536	7009	7046	7074	7204
0884	2932	5120	5319	5509	6509	6537	7010	7047	7075	7205
1146	2940	5121	5321	5512	6510	6601	7011	7048	7076	7206
1150		5122	5324	5513	6511	6603	7012	7049	7077	7207
1253	2946	5123	5325	6007	6512	6613	7013	7050	7078	7208
1254	2951	5124	5329	6009	6513	6620	7014		7101	
1279	2962	5125	5332	6014	6514	6624	7015	7052	7102	7210
1385	2981	5126	5335	6015	6515	6703	7016	7053	7103	7211
1578	4877	5127	5336	6016	6516	6708	7017	7054	7104	7212
1581	4881	5128	5337	6019	6517	6716	7018		7105	7213
1582		5129	5342	6020	6518		7019	7056	7106	7214
1585	5102	5130	5343	6056	6519	6730	7020	7057	7107	7216
2070	5103	5131	5351	6102	6520	6901	7021	7058	7108	7217
2142	5104	5132	5352	6114	6521	6902	7031		7109	7218
2226		5301	5353	6129	6522	6903	7032	7060	7110	7219
2306	5106	5302	5354	6172	6523	6905	7033	7061	7111	7220
2382	5107	5303	5355	6178	6524	6912	7034	7062	7112	7221
	5108	5304	5356	6179	6525	6916	7035	7063	7113	7222
2454	5109	5305	5357	6325	6526	6918	7036	7064	7114	7223
2457	5110	5306	5358	6449	6527	6923	7037	7065	7115	7224

Special colours are available on request. Please ask for minimum quantities and delivery times. 92 nora® install

nora® special range

The special range offers profiles with different cross-sections for further applications.

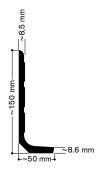
Minimum order quantities on request.

The profiles shown here are examples only. Further individual designs are available on request.

nora® skirting s 3014 N

Special skirting for norament® 992 and norament® 992 grano

Delivery unit: 2 m



nora® skirting s 1013 U

Skirting 10 cm high, also suitable for the use on other floor coverings

Delivery unit: in rolls of 10 r.m.



nora® dry adhesives

nora dryfix™ 750 Dry adhesive supplied in rolls

For the permanent fixing of nora $^{\! @}$ floor coverings. Suitable for new builds and renovations.

Advantages: 5 times as quick, can be walked on immediately, odourless, economic, low-emission and reliable.

Art. 6556

Delivery unit: 1 roll of 30 r.m. in one carton

nora dryfix™ ed Conductive dry adhesive supplied in rolls

For the permanent fixing of electrostatically dissipative or conductive nora® floor coverings. Suitable for new builds, renovations and on top of existing floor coverings. Advantages: 5 times as quick, can be walked on immediately, odourless, economic, low-emission and reliable.

Art. 670

Delivery unit: 1 roll of 30 r.m. in one carton

nora® stepfix 240 Dry adhesive supplied in rolls

For quick installation of norament® stairtreads, stairwell installations with nora® stair nosing T 5044 and nora® stair margin.

Art. 907

Delivery unit: 1 roll of 50 r.m. in one carton

nora® profix · Dry adhesive tapes

nora® profix 50

For quick installation of skirting S 1023 U.

Art. 992

Delivery unit: 4 rolls of $50\ r.m.$ in one carton

ora® profix 90

For quick installation of skirtings S 1024 U, S 3003 as well as for pedestal formation through wall nosings (cushioned-edge profile).

Art. 99:

Delivery unit: 2 rolls of 50 r.m. in one carton

nora® hot welding rod

For noraplan® – available in matching colours for all floor coverings.

In general, nora® floor coverings do not need to be sealed. The only exceptions are noraplan® acoustic floor coverings. For our other floorings, we recommend sealing the joints when the flooring has been installed on a moisture-sensitive subfloor, in rooms with continual and intensive wet cleaning, in areas with stringent hygiene requirements, or for special requirements (e.g. in laboratories).

In operating theatres or other small surfaces where the joints of the skirtings are sealed with nora® joint sealing compound, the compound can also be used for these surfaces to harmonise the installation process.

Art. 946

Round, Ø 4 mm, rolls of 100 r.m.

nora® joint sealing compound

For all nora® floor coverings

It is not generally necessary to seal nora[®] floor coverings. The exceptions are electrostatically dissipative noraplan[®] floorings. However, we do advise sealing the joints if the subfloor is moisture-sensitive, in rooms subject to intensive wet cleaning, or in areas with special hygiene requirements. In these cases, we recommend sealing all nora[®] floorings.

Art. 928

300 ml cartridge 1 disposable cartridge, sufficient for 20–25 r.m.

Please note: Joint cutter (art. no. 116950) and nora $^{\tiny \|}$ liquid wax (art. no. 109914) may be ordered from our company.





Photos: © Elmar Witt

nora® pads

nora[®] pads are suitable for daily cleaning and intensive cleaning on extremely soiled norament[®] and noraplan[®] rubber floor coverings. Cleaning and polishing are mechanical processes – just with water and absolutely no chemicals at all. nora[®] pads can be used with most standard types of machine and are available in different sizes.



	200		
Art. 6688			
nora® pad 0 - 10"		Ø 254 mm	delivery unit: 4 pieces in one carton
nora® pad 0 - 13"	nora® Pad 0	Ø 330 mm	delivery unit: 4 pieces in one carton
nora® pad 0 - 14"	for the cleaning with machines for structured noraplan® floor coverings and noraplan® uni,	Ø 356 mm	delivery unit: 4 pieces in one carton
nora® pad 0 - 16"	noraplan® unita, noraplan® ultra grip as well as for norament® floor coverings with two-tone surface:	Ø 406 mm	delivery unit: 4 pieces in one carton
nora® pad 0 – 17"		Ø 431 mm	delivery unit: 1 or 4 pieces in one carton
nora® pad 0 – 20"	for polishing cleaned floor coverings with a high speed machine for structured noraplan® floor coverings and noraplan® uni, noraplan® unita, noraplan® ultra grip as well as for norament® floor coverings with two-tone surface:	Ø 508 mm	delivery unit: 1 or 4 pieces in one carton
Art. 6627			
nora® pad 1 – 10"		Ø 254 mm	delivery unit: 4 pieces in one carton
nora® pad 1 - 13"	nora® Pad 1	Ø 330 mm	delivery unit: 4 pieces in one carton
nora® pad 1 – 14"	for daily maintenance cleaning with machines for smooth noraplan® floor coverings as well as for	Ø 356 mm	delivery unit: 4 pieces in one carton
nora® pad 1 - 16"	norament [®] floor coverings with hammerblow or cubic structure:	Ø 406 mm	delivery unit: 4 pieces in one carton
nora® pad 1 - 17"		Ø 431 mm	delivery unit: 1 or 4 pieces in one carton
nora® pad 1 – 20"	for polishing cleaned floor coverings with a high speed machine for smooth noraplan® floor coverings and norament® floor coverings with hammerblow or cubic structure:	Ø 508 mm	delivery unit: 1 or 4 pieces in one carton
Art. 6628			
nora® pad 2 – 17"	nora® Pad 2 for intermediate and intensive cleaning with a single disk machine for smooth noraplan® floor coverings and norament® floor coverings with hammerblow or cubic structure:	Ø 431 mm	delivery unit: 1 or 4 pieces in one carton
Art. 6629			
nora® pad 3 − 17"	nora® Pad 3 for intensive cleaning of heavily soiled and scratched floor coverings with a single disk machine for smooth	Ø 431 mm	delivery unit: 1 piece in one carton

noraplan® floor coverings and norament® floor coverings with hammerblow or cubic structure:



© Claus Langer

nora 4you

nora 4you provides solutions for your individual flooring needs. Flooring gives your rooms structure, personality and life. With nora 4you, you can design your rooms exactly as you want them. We offer customised solutions that make your rooms special and distinctive in a way that is important to you. Anything is possible.

Quality and functionality are crucial criteria when selecting floor coverings. With nora 4you, we go one step further and put an additional focus on design and individuality. This allows you to creatively design, structure or accentuate your surfaces with colours, patterns and inlays according to your specific requirements and ideas.

Inlays

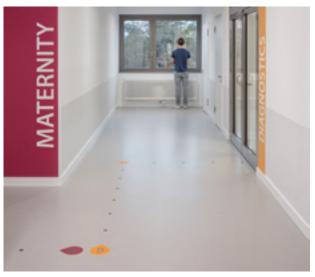
Create inlays based on our templates or design compositions of your own imagination. At our inlay centre we can process your images, drawings or image files to create your own design. Our state-of-the-art ultrasound cutting machine cuts almost any motif into 100% matching pieces that can be laid without sealing the joints. To guarantee easy installation, we supply inlays up to a size of 1.60 x 1.22 metres, fully assembled and ready for laying. For large-sized inlays, we provide the floor layer with detailed laying plans.

Room Inlays

Room inlays are design elements. Depending on the colour combination, design language and combination of materials, they change and shape the room. Whether used as part of a comprehensive design concept or as a decorative eye-catcher, inlays make a statement that can't be overlooked. They help give spaces a distinctive identity.



Erika-Fuchs-Haus, Schwarzenbach an der Saale, Germany



© Werner Huthmacher

Routing systems

With nora 4you, you can adapt your routing system to your individual spatial circumstances. For example, colour-coded stripes or signs in the floor help people to orientate themselves as they move through different sections or parts of the building.

In addition, nora offers a variety of inlay options for flooring or skirting boards to mark escape routes with integrated light strips or other lighting elements.



© nora

Choose from our standard symbols or design your own

nora offers you a wide range of standardised templates, which we can customise according to your requirements. In addition to our standard symbols, we will be happy to design and create individual symbols or logos to suit your specific requirements.



© nora



Notting Hill Preparatory School, London, UK

© Hanson Architects | Davide Saibene

Planks and Tiles

Our plank and tile concept gives you almost limitless freedom to design your rooms the way you want. You can use any combination of plank or tile shapes and colours to influence the overall design of the room. The laying pattern also has a decisive influence on the sense of space. Planks enable you to create a distinctive and individual spatial effect in variants that are precisely tailored to your needs. Even with tiles, you can realise different laying patterns or set unusual accents.

Our plank formats are available with most noraplan® designs. We deliver planks in your choice of colour and in five standard sizes optionally in 2 mm or 3 mm. In addition, with monochrome installations of planks or tiles, the edges can be chamfered to accentuate the plank or tile character and create an elegant joint pattern. Talk to us about your ideas and we will be happy to support you with individual planning.

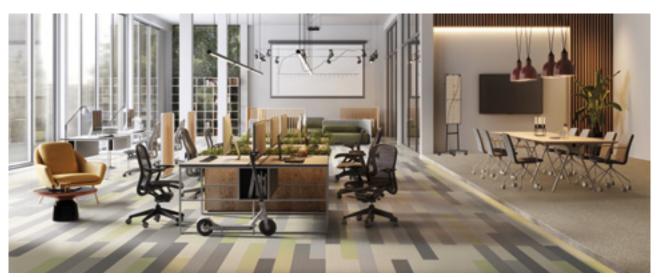
Different formats for endless possibilities and individual room design.

noraplan®		
~ 610 mm x 305 mm ~ 610 mm x 205 mm	~ 1220 mm x 405 mm ~ 1220 mm x 202.5 mm	~ 610 mm x 610 mm
~ 610 mm x 152.5 mm		
norament®	norament® 926 arago	

 $\sim 1004 \text{ mm x } 502 \text{ mm}$

Further plank and tile sizes are available on request. Please ask for minimum quantities.

~ 1004 mm x 1004 mm



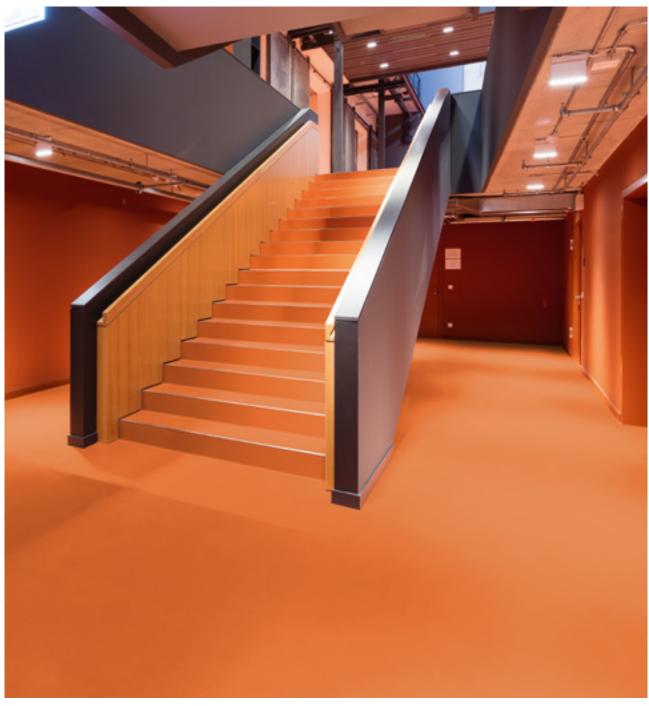
Special colours

With over 300 colours and shades, even our standard product programme provides outstanding choice. However, if you are looking for a different colour, we will be happy to develop an individual colour for your project. We can customise almost any colour using samples or colour codes (NCS, RAL, Pantone) and implement your wishes in the flooring. For example, you can design your entire building in one shade without compromising the functional properties of your flooring.

You can choose from different:

- base colours
- granules
- surface structures

Please ask for minimum quantities and delivery times.



norament®

	Test method	Requirements		Averag	e test results from	n running product	ion	Т
			926	926 arago 926 castello 926 grano 926 pado 926 satura	825	926 kivo	992 992 grano	975 LL
CE conformity	EN 14041		<	Manufacture	r: nora systems	GmbH, D-69469 \	Veinheim ——	—
DoP-No.	EN 14041			0021	0004	0021	0023	0024
Thermal conductivity	EN 10456	λ = 0.17 W/(m·K)	4		Fulfill	ed —		
Dynamic coefficient of friction	EN 13893	DS	∢		Fulfill	ed —		
Reaction to fire	EN 13501-1	Not bonded		C _{fi} -s1	C _{ff} -s1	C _{fl} -s1	C _{ff} -s2	B _{ff} -s1
Reaction to fire	EN 13501-1	Bonded on mineral subfloor		B _{fi} -s1	B _{ff} -s1	B _{ff} -s1	C _{ff} -s1	-
Properties acc. to EN 1817/E	N 12199							
Thickness	EN ISO 24346	Mean value ± 0.20 mm according to EN 12199	4 mm		3.2 mm		9 mm (Art. 1956)	
THICKNESS	EN 100 24040	Mean value ± 0.15 mm according to EN 1817		3.5 mm		2.7 mm	9 mm (Art. 1955)	3.5 mm
Dimensional stability	EN ISO 23999	± 0.4 %	◀		- ± 0.2 %			± 0.1 %
Tear strength	ISO 34-1, method B, procedure A	Mean value ≥ 20 kN/m	40 kN/m	40 kN/m	35 kN/m	35 kN/m	45 kN/m	40 kN/m
Cigarette-burn resistance	EN 1399	Procedure A (stubbed out) ≥ level 4 Procedure B (burning) ≥ level 3	-		——— Fulfille	ed ———		
Flexibility	EN ISO 24344, procedure A	Mandrel diameter 20 mm, no fissuring	-		——— Fulfille	ed ———		
Hardness	ISO 48-4	≥ 70 Shore A (EN 12199) ≥ 75 Shore A (EN 1817)	82 Shore A	82 Shore A	87 Shore A	82 Shore A	70 Shore A	85 Shore A
Residual indentation	EN ISO 24343	Mean value ≤ 0.25 mm at thickness ≥ 3.0 mm Mean value ≤ 0.20 mm at thickness < 3.0 mm	0.12 mm	0.12 mm	0.12 mm	0.12 mm	0.25 mm	0.07 mm
Abrasion resistance at 5 N load	ISO 4649, procedure A	≤ 250 mm ³	115 mm ³	115 mm ³	130 mm ³	115 mm ³	90 mm ³	120 mm ³
Colour fastness to artificial light	ISO 105-B02, procedure 3, test conditions 6.1 a)	At least level 6 on the blue scale; ≥ level 3 on the grey scale	4	Grey	y scale ≥ level 3 ac	cc. to ISO 105-A02		· · · · · · · · · · · · · · · · · · ·
Classification	EN ISO 10874	Commercial/Industrial	34/43	34/43	32/41	34/43	34/43	34/43
Additional technical propertie	es		•					
Toxicity of fire gases	DIN 53436			nisation gases non-toxic	-	Carbonisation gases are non- toxic	-	-
Anti-slip properties	DIN 51130	According to DGUV 108-003	R 9	R 9 926 grano/Art. 1880 = R 9 926 grano/Art. 1870 = R 10 arago = R 10	R9	R9	R9	R 9 975 LL serra = R 10
	DIN 51097		А	926 grano/Art. 1870 = A, B arago = A, B	-	-	-	-
Improvement in footfall sound absorption	ISO 10140-3		12 dB	10 dB	9 dB	8 dB	15 dB	8 dB
Effect of chemicals	EN ISO 26987		Resistant depending on concentration and time of exposure*					
Electrical insulation properties	EN 1081 R1		> 10 ⁹ Ohm —					
Electrical propensity when walked upon	EN 1815							
Effect of a castor chair	EN ISO 4918		<	Suitable if castor	wheels, type W, a	ccording to EN 125	29 are used —	
Underfloor heating	EN 1264-2		←		Suitable, ma	x. 35° C ———		•

 $^{^{\}star}$ In case of increased impact of oils, greases, acids, alkalis and other aggressive chemicals please contact us.

Colour variations due to different production batches as well as technical alterations to improve the product have to be accepted.

EN 1817: Specification for homogeneous and heterogeneous smooth elastomer floor

coverings
EN 12199: Specification for homogeneous and heterogeneous profiled elastomer floor coverings

$noraplan^{\text{\tiny \$}}$

	Test method	Requirements	Average test results from running production					
			uni 2.0 mm	eco 20 mm linee 20 mm lona 20 mm sertica 20 mm signa 20 mm stone 20 mm	unita 2.0 mm	ultra grip 2.0 mm	sentica 3.0 mm signa 3.0 mm valua 3.0 mm	sentica acoustic signa acoustic stone acoustic
CE conformity	EN 14041		←		ora system	s GmbH, D-	69469 Weinheim	-
DoP-No.	EN 14041		0018	0016		0010	0016	0017
Thermal conductivity	EN 10456	$\lambda = 0.17 \text{ W/(m·K)}$	<		— Fu	Ifilled —		· · · · · ·
Dynamic coefficient of friction	EN 13893	DS	<		— Fu	Ifilled —		-
Reaction to fire	EN 13501-1	Not bonded	B _{il} -s1	B _{ff} -s1, bonded		C _{ff} -s1	B _f -s1, bonded	C _{ff} -s1
Reaction to fire	EN 13501-1	Bonded on mineral subfloor	B _e -s1	B _f -s1		C _{ff} -s1	B _s -s1	B _e -s1
Properties acc. to EN 1817/EN	1816		,	-				
Thickness	EN ISO 24346	Mean value without foam backing ± 0.15 mm	2.0 mm	2.0 mm		2.0 mm	3.0 mm	-
THICKHESS	LIN 130 24340	Mean value with foam backing ± 0.20 mm	-	-		-	-	4.0 mm
Dimensional stability	EN ISO 23999	± 0.4 %	◀			0.3 %		>
Cigarette-burn resistance	EN 1399	Procedure A (stubbed out) level ≥ 4 Procedure B (burning) level ≥ 3	←		Fu	Ifilled ——		
Flexibility	EN ISO 24344, procedure A	Mandrel diameter 20 mm, no fissuring	<	— Fulfilled — >	Not fulfilled	Fulfilled	-	Fulfilled
Hardness	ISO 48-4	≥ 75 Shore A	94 Shore A	92 Shore A		90 Shore A	92 Shore A	85 Shore A
		Mean value ≤ 0.15 mm at thickness < 2.5 mm	0.03 mm	0.03 mm		0.05 mm	-	-
Residual indentation	EN ISO 24343	Mean value ≤ 0.20 mm at thickness ≥ 2.5 mm	-	-		-	0.03 mm	-
		acoustic: Mean value ≤ 0.25 mm	-	_		-	-	0.25 mm
Abrasion resistance at 5 N load	ISO 4649, procedure A	≤ 250 mm ³	130 mm ³	150 mm ³		90 mm ³	150 mm ³	130 mm ³
Colour fastness to artificial light	ISO 105-B02, procedure 3, test conditions 6.1 a)	At least level 6 on the blue scale; ≥ level 3 on the grey scale	←		cale ≥ level 3	3 acc. to ISO 10	05-A02	-
Classification	EN ISO 10874	Commercial/Industrial	34/42	34/42		34/42	34/43	33/-
Additional technical properties								
Toxicity of fire gases	DIN 53436		4	Carl	onisation g	ases are non-	toxic —	
, ,	DIN 51130	According to DGUV 108-003	R9	stone Art. 149/249 signa Art. 1690/2690 Others: R 9		R 11	R9	stone acoustic: R 10 Others: R 9
Anti-slip properties	DIN 51097		-	stone Art. 149/249 signa Art. 1690/2690		A; B; C	-	-
	BS 7976 TRRL Pendulum		-	-		36+ Wet & dry	-	-
	SATRA TM 144		-	_		Wet: > 0.6 Dry: > 0.45	-	-
Improvement in footfall sound absorption	ISO 10140-3		6 dB	6 dB		7 dB	8 dB	20 dB
Effect of chemicals	EN ISO 26987		Resistant depending on concentration and time of exposure*					
Electrical insulation properties	EN 1081 R1		> 10° Ohm					> 10 ⁹ Ohm
Electrical propensity when walked upon	EN 1815		4					
Effect of a castor chair	EN ISO 4918		<	Suitable if castor w	heels, type W	/, according to	EN 12529 are use	d —
Underfloor heating	EN 1264-2		-		- Suitable,	max. 35° C -		

 $^{^{\}star}$ In case of increased impact of oils, greases, acids, alkalis and other aggressive chemicals please contact us.

EN 1817: Specification for homogeneous and heterogeneous smooth elastomer floor coverings EN 1816: Specification for homogeneous and heterogeneous smooth elastomer floor coverings with foam backing

Colour variations due to different production batches as well as technical alterations to improve the product have to be accepted.

nora® nTx

	Test method	Requirements	Average test results fro	om running production
			noraplan®	norament®
			inee nTx** linee nTx** lona nTx** signa nTx stone nTx** valua nTx**	926 arago nTx 926 castello nTx 926 grano nTx 926 pado nTx* 926 satura nTx
CE conformity	EN 14041		← Manufacturer: nora systems	
DoP-No.	EN 14041		0027	0031
hermal conductivity	EN 10456	$\lambda = 0.17 \text{ W/(m·K)}$	← Fulf	illed —
Dynamic coefficient of friction	EN 13893	DS	▼ Fulf	illed —
Reaction to fire	EN 13501-1		C _{ff} -s1, bonded	C _{ff} -s1, bonded
Properties acc. to EN 1817				
hickness	EN ISO 24346	Mean value ± 0.15 mm according to EN 1817	2.1 mm or 3.1 mm**	3.6 mm
Dimensional stability	EN ISO 23999	± 0.4 %	± 0.3 %	± 0.2 %
Cigarette-burn resistance	EN 1399	Procedure A (stubbed out) ≥ level 4 Procedure B (burning) ≥ level 3	← Fulf	illed —
Flexibility	EN ISO 24344, procedure A	Mandrel diameter 20 mm, no fissuring	▼ Fulf	illed —
Hardness	ISO 48-4	≥ 75 Shore A	92 Shore A	82 Shore A
Residual indentation	EN ISO 24343	noraplan® nTx: Mean value ≤ 0.15 mm at thickness < 2.5 mm Mean value ≤ 0.20 mm at thickness ≥ 2.5 mm norament® nTx: Mean value ≤ 0.25 mm at thickness ≥ 3.0 mm Mean value ≤ 0.25 mm at thickness < 3.0 mm	0.05 mm	0.15 mm
Abrasion resistance at 5 N load	ISO 4649, procedure A	≤ 250 mm ³	150 mm ³	115 mm ³
Colour fastness to artificial light	ISO 105-B02, procedure 3,	At least 6 on the blue scale,		c. to ISO 105-A02
Classification	test conditions 6.1 a) EN ISO 10874	≥ 3 on the grey scale Commercial/Industrial	2.1 mm: 34/42	34/43
			3.1 mm: 34/43	
Additional technical properties	I		01 0001 / 0	
Veight	EN ISO 23997		2.1 mm: ~ 3.36 kg/m² 3.1 mm: ~ 5.08 kg/m²	~ 5.40 kg/m²
Fear strength	ISO 34-1, method B, procedure A		n.a.	35 kN/m
Slip resistance	DIN 51130	According to DGUV 108-003	R 9* R 10* (reflection-breaking surface)	R 9* R 10* (arago nTx, grano nTx with cubic structure)
mprovement in footfall sound absorption	ISO 10140-3		2.1 mm: 4 dB 3.1 mm: 5 dB	8 dB
Effect of chemicals	EN ISO 26987	Depending on concentration and time of exposure	Resis	stant ^(A)
Electrostatic behaviour when walked upon	EN 1815		Antistatic, charging in cas	e of rubber soles < 2 kV
Effect of a castor chair	EN ISO 4918		Suitable if castor wheels, type W,	according to EN 12529 are used
ire behaviour/smoke behaviour		Fulfills the requirements		
	EN 13501-1		C _{ii} -s1, bonded	C ₄ -s1, bonded
ire behaviour	EN 45545	Hazard Level	HL1*	n '
ire behaviour	ASTM E-648 / ISO 9239-1		Class 1 (≥ 0.50 W/cm ²)*	
Smoke density	ASTM E-662	Federal Railroad Administration	After 1.5 minutes < 100, after 4 minutes < 200*	
Toxicity of fire gases	DIN 53436		Carbonisation gases are non-toxic	Carbonisation gases are non-toxic
Adhesive characteristics				
Description			Pressure-sensitive	hot melt adhesive
Softening range	Ring & Ball			2 - 134 °C
/OC	Ĭ			%

Tested and certificated by an independent testing institute.

Minimum quantities required.
In case of increased impact of oils, greases, acids, alkalis and other aggressive chemicals please contact us.

EN 1817: Specification for homogeneous and heterogeneous smooth elastomer floor coverings

Colour variations due to different production batches as well as technical alterations to improve the product have to be accepted.

nora® ESD floor coverings

	Test method	Requirements	Average test results from running production					
			norament®		noraplan®			
			928 grano ed	927 grano ec	sentica ed 2.0 mm signa ed 2.0 mm stone ed 2.0 mm	sentica ed 3.0 mm signa ed 3.0 mm	astro ec	
CE conformity	EN 14041		✓ Manufa	acturer: nora system	s GmbH, D-69	469 Weinheim		
DoP-No.	EN 14041		0005	0022	0001	0001	0036	
Thermal conductivity	EN 10456	$\lambda = 0.17 \text{ W/(m·K)}$	◀	Fu	Fulfilled —			
Dynamic coefficient of friction	EN 13893	DS	Fulfilled —					
Electrical behaviour	EN 1081	ed = ≤ 10 ⁹ Ohm	Fulfilled		← Fulfilled →			
		ec = ≤ 10 ⁶ Ohm		Fulfilled			Fulfilled	
Reaction to fire	EN 13501-1	Not bonded	C _{ff} -s1, bonded	C _{ff} -s2	◀	— С _п -s1 —		
Reaction to fire	EN 13501-1	Bonded on mineral subfloor	C _{ff} -s1	C _{ff} -s1	B _f	-s1	C _{ff} -s1	
Properties acc. to EN 1817								
Thickness	EN ISO 24346	Mean value ± 0.15 mm according to EN 1817	3.5 mm	3.5 mm	2.0 mm	3.0 mm	2.0 mm	
Dimensional stability	EN ISO 23999	± 0.4 %	← ±0	2%	-	± 0.3%	-	
Tear strength	ISO 34-1, method B, procedure A	Mean value ≥ 20 kN/m	45 kN/m	35 kN/m	-			
Cigarette-burn resistance	EN 1399	Procedure A (stubbed out) ≥ level 4 Procedure B (burning) ≥ level 3	Fulfilled —					
Flexibility	EN ISO 24344, procedure A	Mandrel diameter 20 mm, no fissuring	<	— Fulfilled —		_	Fulfilled	
Hardness	ISO 48-4	≥ 75 Shore A (EN 1817)	84 Shore A	90 Shore A	←	–95 Shore A —	-	
Residual indentation	EN ISO 24343	Mean value ≤ 0.15 mm at thickness < 2.5 mm Mean value ≤ 0.20 mm at thickness ≥ 2.5 mm	- 0.03 mm					
Nesiduai indentation	LIV 130 24343	Mean value ≤ 0.25 mm at thickness ≥ 3.0 mm Mean value ≤ 0.20 mm at thickness < 3.0 mm	0.05 mm			-		
Abrasion resistance at 5 N load	ISO 4649, procedure A	≤ 250 mm³	90 mm ³ 90 mm ³ 130 mm ³		mm ³	150 mm ³		
Colour fastness to artificial light	ISO 105-B02, procedure 3, test conditions 6.1 a)	At least level 6 on the blue scale; ≥ level 3 on the grey scale	Grey scale ≥ level 3 acc. to ISO 105-A02					
Classification	EN ISO 10874	Commercial/Industrial	34/43 34/42 34/43		34/42			
Additional technical propertie	es							
Toxicity of fire gases	DIN 53436		Carbonisation gases are non-toxic		Carbonisation gases are non-toxic			
Anti-slip properties	DIN 51130	According to DGUV 108-003	R9 stone ed: R 10 Others: R 9			R9		
Improvement in footfall sound absorption	ISO 10140-3		10 dB	10 dB	6 dB	8 dB	6 dB	
Effect of chemicals	EN ISO 26987		→ Resist	Resistant depending on concentration and time of exposure*				
Effect of a castor chair	EN ISO 4918		Suitable if castor wheels, type W, according to EN 12529 are used					
Underfloor heating	EN 1264-2		-	Suitable,	max. 35° C —			
Electrical behaviour**					1			
Resistance to EPA ground	ESD STM 7.1/ IEC 61340-4-1	Measuring the installed floor at 23 °C (± 2 °C) and ≥ 25 % r.h.	10 ⁶ – 9 x 10 ⁷ Ohm	< 10 ⁶ Ohm	106 - 9 >	10 ⁷ Ohm	< 10 ⁶ Ohm	
		Measuring the installed floor at 23 °C (\pm 2 °C) and < 25 % r.h., installed on an appropriate subfloor build up	10 ⁶ – 10 ⁹ Ohm***	< 10 ⁶ Ohm	106 - 10) ⁹ Ohm***	< 10 ⁶ Ohm	
Operator system – Resistance to ground	ESD STM 97.1/ IEC 61340-4-5	For the system floor/conductive footwear (R < 5 x 10 6 Ohm) measuring the installed floor at 23 $^{\circ}$ C (\pm 2 $^{\circ}$ C) and \geq 25 $\%$ r.h.	$\leq 3.5 \times 10^7 \text{ Ohm} \qquad \leq 3.5 \times 10^7 \text{ Ohm} \qquad \leq 3.5 \times 10^7 \text{ Ohm}$		10 ⁷ Ohm	≤ 3.5 x 10 ⁷ Ohm		
Body voltage generation	ESD STM 97.2 IEC 61340-4-5	Tested with defined conductive footwear at 23 °C and 12 % r.h.	<10V					
Resistance to earth	EN 1081		10 ⁶ – 9 x 10 ⁷ Ohm	< 10 ⁶ Ohm	106 - 9 >	10 ⁷ Ohm	< 10 ⁶ Ohm	
Insulation resistance	VDE 0100-600		≥ 1 x 10 ⁵ Ohm	_	≥ 5 x 10 ⁴ Ohm	≥ 1 x 10 ⁵ Ohm	1 -	

In case of increased impact of oils, greases, acids, alkalis and other aggressive chemicals

In case of increased impact of oils, greases, acids, alkalis and other aggressive chemicals please contact us.
 If installed electrically dissipative and conductive in conformity with our installation instruction and according to the recommendations of the adhesive manufacturer.
 The used adhesive has to have a permanent resistance of R < 3 x 10° Ohm according to EN ISO 22637.
 If extremely low humidity values (< 25 % relative air humidity (= r.h.)) are expected for a longer period, please contact nora systems GmbH, Technical Service, for advice.

EN 1817: Specification for homogeneous and heterogeneous smooth elastomer floor coverings

Colour variations due to different production batches as well as technical alterations to improve the product have to be accepted.

$noracare^{\text{\tiny (R)}}$

Designs: seneo, uneo

	Test method	Requirements	Average test results from running production Manufacturer: nora systems GmbH, D-69469 Weinheim		
CE conformity	EN 14041				
DoP-No.	EN 14041		0035		
Thermal conductivity	EN 10456	$\lambda = 0.25 \text{ W/(m-K)}$	Fulfilled		
Dynamic coefficient of friction	EN 13893	DS	Fulfilled		
Reaction to fire	EN 13501-1	Not bonded	C _{ff} -s1		
Reaction to fire	EN 13501-1	Bonded on mineral subfloor	B _{fl} -s1		
Properties acc. to EN 1817					
Thickness	EN ISO 24346	Mean value ± 0.15 mm acc. to EN 1817	2.0 mm		
Dimensional stability	EN ISO 23999	± 0.4 %	± 0.3 %*		
Flexibility	EN ISO 24344, procedure A	Mandrel diameter 20 mm, no fissuring	Fulfilled		
Hardness	ISO 48-4	≥ 75 Shore A acc. to EN 1817	96 Shore A		
Residual indentation	EN ISO 24343	Mean value ≤ 0.15 mm at thickness < 2.5 mm	0.05 mm		
Abrasion resistance at 5 N load	ISO 4649, procedure A	≤ 250 mm³	100 mm ³		
Colour fastness to artificial light	ISO 105-B02, procedure 3	At least level 6 on the blue scale; ≥ level 3 on the grey scale	Fulfilled		
Classification	EN ISO 10874	Commercial/Industrial	34/42		
Additional technical properties					
Toxicity of fire gases	DIN 53436		Carbonisation gases are non-toxic		
A P P	DIN 51130	According to DGUV 108-003	R 10		
Anti-slip properties	DIN 51097		A		
Improvement in footfall sound absorption	ISO 10140-3		5 dB		
Effect of chemicals	EN ISO 26987		Resistant depending on concentration and time of exposure**		
Electrical insulation properties	EN 1081 R1		> 10 ¹⁰ Ohm		
Electrical propensity when walked upon	EN 1815		Antistatic, charging in case of rubber soles < 2 kV		
Effect of a castor chair	EN ISO 4918		Suitable if castor wheels, type W, according to EN 12529 are used		
Underfloor heating	EN 1264-2		Suitable, max. 35° C		

EN 1817: Specification for homogeneous and heterogeneous smooth elastomer floor coverings.

Colour variations due to different production batches as well as technical alterations to improve the product have to be accepted. \\

⁶h at 50° C In case of increased impact of oils, greases, acids, alkalis and other aggressive chemicals please contact us.



Building Information Modeling (BIM)

Building Information Modeling (BIM) is a software-supported method used to optimise the planning, construction and management of buildings. All relevant material and building data is digitally captured, managed, combined and cross-linked. This information can be used throughout the entire life cycle of a building, starting with the documentation of planning, through cost and project management to building operation.



We offer BIM files of the floor covering and stairtread standard portfolio for download on our website. Further information can be found at **bim.nora.com.**

Notes





Please note

norament®, noraplan® and noracare® have been developed for indoor installation. nora® floor coverings are not suitable for installation in outdoor applications or in areas with constant and direct wet loads.

The particulars given in this brochure are for informational purposes only concerning the products presented. They represent descriptions or designations, but not any warranted qualities. This information cannot cover all possible service conditions which our floor coverings may encounter.

If the floor covering is going to be exposed to out-of-the-ordinary service conditions and stresses (e.g. extreme UV radiation, chemical substances or other aggressive media), please contact us for advice.

We will be pleased to supply you on request with flooring samples to enable you to carry out in-house tests. We reserve the right to alter technical values as part of an ongoing product improvement process.

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