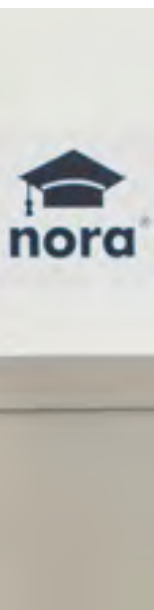




# RUBBER FLOOR COVERINGS AND ACCESSORIES 2019

**nora**<sup>®</sup>  
by **Interface**<sup>®</sup>





# Innovative sustainability – Made in Germany

We are driven by the idea of creating extraordinary and individual floor solutions that can withstand the most diverse and highest load patterns. We have found in natural rubber the ideal material and properties that can meet this claim.

Rubber has the unique capacity to withstand heavy loading permanently without sacrificing quality. We are rightfully proud of our expertise in having perfected this product of nature. nora® floor coverings are slip resistant and flame retardant, exhibit outstanding ergonomic properties, and absorb footfall sounds. Moreover, they are free of plasticisers and do not need coatings. These points are highly appreciated by our customers in the most diverse fields.

Accordingly, nora® floor coverings can be found everywhere in the world, for instance in

- hospitals and nursing facilities. There they are used in highly sterile areas subject to the strictest hygiene requirements like operating theatres, but also to provide a cosy ambience in patient rooms.
- Airports, trains, and railway stations – areas that are frequented by millions of people every day and so must fulfil the highest requirements.
- Schools, universities, and nursery schools – institutes that prioritise a natural indoor climate and healthy indoor air.
- Office, administration, and industrial buildings that must comply with special regulations and standards.

Fulfilling our customers' and partners' requirements is a matter of course to us. We would like to give you our assurance that your decision in favour of nora® floor coverings is the right one: today, tomorrow, and thereafter. This is our claim, and we guarantee it!

In 2018, nora systems was acquired by Interface Inc., Atlanta (USA). Interface is the world's largest manufacturer of modular carpet tiles for the commercial sector

## CONTENTS

<b>norament® floorings</b>	<b>8 – 17</b>
<b>noraplan® floorings</b>	<b>18 – 37</b>
<b>nora® special floorings</b>	<b>38 – 49</b>
<b>nora® Stairwell solutions</b>	<b>50 – 59</b>
norament® stairtreads	52 – 55
nora® stair accessories	56 – 59
<b>nora® install</b>	<b>60 – 69</b>
nora® nTx	60 – 62
nora® one	63 – 65
nora® accessories	66 – 69
<b>nora® clean</b>	<b>70 – 71</b>
nora® pads	70 – 71
<b>Inlays</b>	<b>72 – 73</b>
<b>Technical data</b>	<b>74 – 77</b>
<b>(BIM) Building Information Modeling</b>	<b>78</b>



## Two product lines – boundless possibilities

Everyone aspires to individuality. Why should this claim stop at the floor covering?  
Our two product lines norament® and noraplan® form a perfectly practical synthesis of design, functionality, and environmental compatibility. 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.



Clariant Innovation Center CIC, Frankfurt, Germany

## norament®

This classic rubber floor covering is a convincing combination of sustainable quality and outstanding functionality. Pressed under high pressure, the tiles present a very dense, sealed surface. This makes them extremely resistant to wear and supports fast and easy cleaning. The product portfolio includes four designs. From the classical pastille, norament® 926/825, which has been in service for decades at Frankfurt Airport, the hub of European air traffic. Up to norament® 926 arago which appears agile due to its marbling. norament® floor coverings are suitable for projects that must fulfil extreme requirements, e.g. in ice rinks or oil rigs.



Kinderhaus Waldschatz, Germany

## noraplan®

noraplan® floor coverings are available in rolls or tiles with a great many designs and colours for virtually unlimited design potential. The product range consists of nine different designs. noraplan® valua is preferably used where a homely atmosphere is required, e.g. in patient rooms, old people's homes but also representative areas. This is underscored by the living quality of its linear surface structure combined with the natural properties of rubber. Its functional properties make noraplan® floorings suitable for a wide range of needs. Excellent slip resistance and oil and grease resistant properties make noraplan® floorings a convincing solution in heavy duty areas.

# Outstanding quality nora<sup>®</sup> floor coverings and accessories

## Eco-labels, approvals, and Environmental Product Declarations

### The Blue Angel



[www.blauer-engel.de/uz120](http://www.blauer-engel.de/uz120)

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

[www.blauer-engel.de](http://www.blauer-engel.de)

Awarded to: norament<sup>®</sup> 926 and noraplan<sup>®</sup> standard floorings

### 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

[www.greenguard.org](http://www.greenguard.org)

Awarded to: All nora<sup>®</sup> floor coverings and nora<sup>®</sup> installation materials and nora<sup>®</sup> accessories

### BRE "A+" Rating



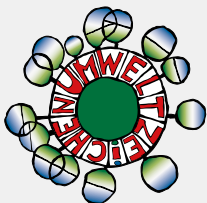
The BRE rating assesses the environmental impact of products. The environmental profiles of similar products in a category are compared with each other and assessed. The best products in a comparison group are awarded the "A+" rating.

Approval criteria: BRE Global Methodology for Environmental Profiles of Construction Products.

[www.bre.co.uk](http://www.bre.co.uk)

Awarded to: noraplan<sup>®</sup> and noraplan<sup>®</sup> nTx standard floorings with "A+" rating

### Austrian eco-label



The Austrian eco-label is awarded by the Austrian Ministry of Agriculture, Forestry, Environment, and Water Management. It guarantees environmentally friendly products and services. Certified floor coverings exert as small an impact as possible on the environment and health over their whole life cycle.

Approval criteria: UZ 56

[www.umweltzeichen.at](http://www.umweltzeichen.at)

Awarded to: norament<sup>®</sup> 926 and noraplan<sup>®</sup> standard floorings

### 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: Finnish Classification of Indoor Environment 2008

[www.rakennustieto.fi/index/english.html](http://www.rakennustieto.fi/index/english.html)

Awarded to: norament<sup>®</sup> 926 and noraplan<sup>®</sup> standard floorings



## 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)  
[www.developpement-durable.gouv.fr/Chapitre-I-Mode-d-emploi-de-l.html](http://www.developpement-durable.gouv.fr/Chapitre-I-Mode-d-emploi-de-l.html)  
Awarded to: nora® floor coverings, nora® installation materials and nora® accessories

## Byggvarubedömningen

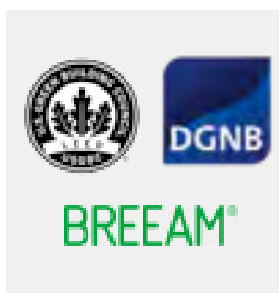
The Swedish institute Byggvarubedömningen assesses the sustainability of building products with respect to their emissions, constituents, and production process. The products are classified as "Recommended", "Accepted", or "To be Avoided".  
Approval criteria: Building Material Assessment Criteria  
[www.byggvarubedomningen.se](http://www.byggvarubedomningen.se)  
Awarded to: norament® 926 and noraplan® standard floorings are classified as "Recommended" in a majority of cases

## EPDs from Institut Bauen und Umwelt e.V.

EPDs (Environmental Product Declarations) are issued on the basis of international standards. 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. All norament® and noraplan® floor coverings have been awarded EPDs by Institut für Bauen und Umwelt e.V. (IBU).  
[www.bau-umwelt.de](http://www.bau-umwelt.de)

## Indoor Air Comfort GOLD

The Eurofins certification Indoor Air Comfort GOLD combines emissions requirements with the most important European quality mark, 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.



## 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/de/](http://www.dgnb.de/de/)  
[www.usgbc.org/leed](http://www.usgbc.org/leed)  
[www.breeam.de/](http://www.breeam.de/)

## Corporate certifications, memberships, and cooperation agreements



# norament®

norament®, the pioneer among rubber floor coverings, represents absolute top quality and functionality. The standard square tile sizes of 1004 x 1004 mm are available in a wide range of colour and surface designs. Get to know our norament® product portfolio on the following pages, and feel free to call your personal contact with any questions you may have.





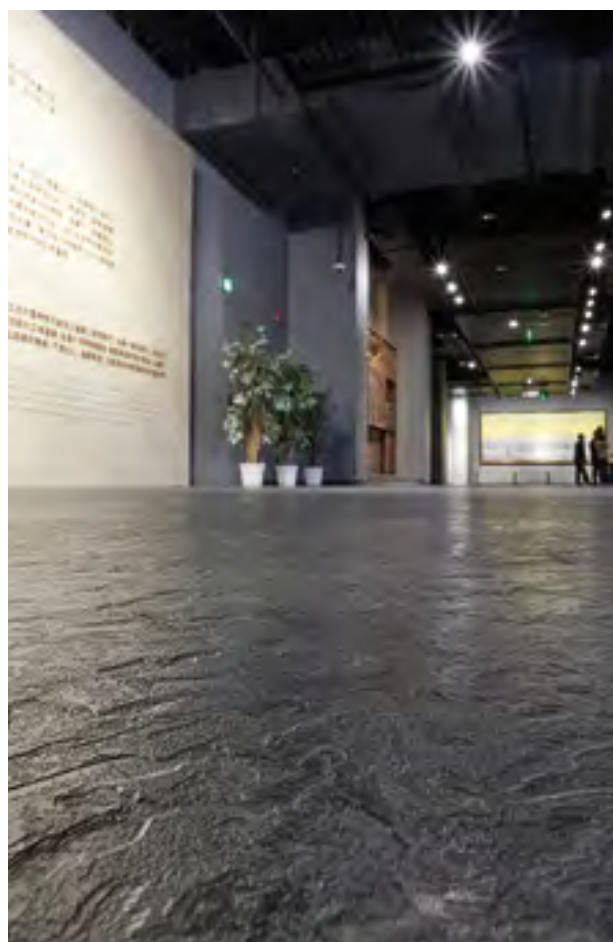
Children's Hospital, Colorado, USA



ECNU affiliated bilingual school, China



Kulturforum Hanau, Germany

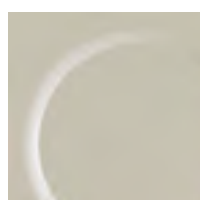


Memorial Hall of the martyrs cemetery in Longhua, China

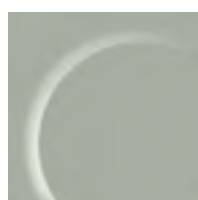


# norament® 926/825

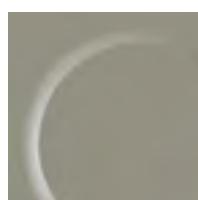
One-coloured, classic round pastille for use in extremely heavy (926) and heavy traffic areas (825).



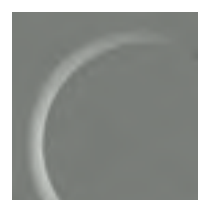
③ 0170



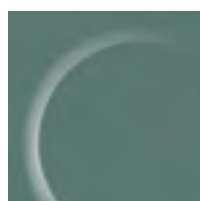
③ 6173



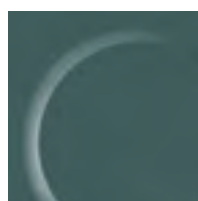
② J 0007



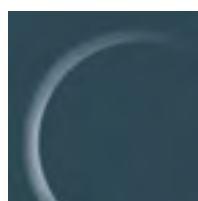
② J 0884



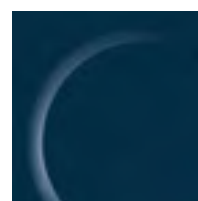
② J 0214



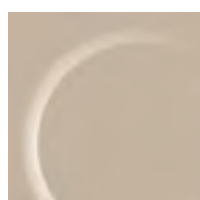
② 2079



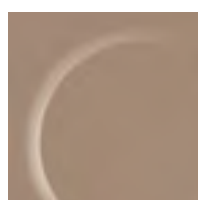
② J 0319



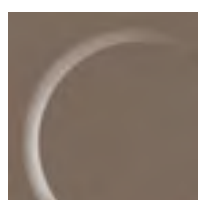
③ J 0733



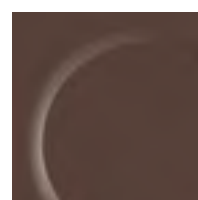
③ 2685



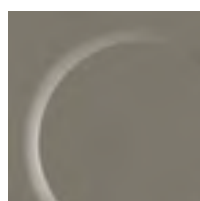
③ J 6172



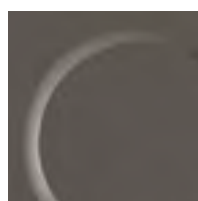
③ 6192



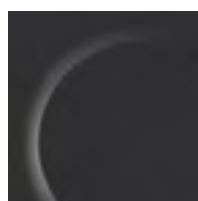
② J 2074



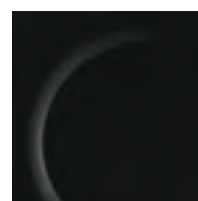
② J 0882



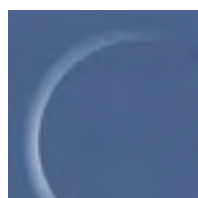
② J 0749



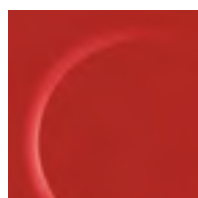
② J 0716



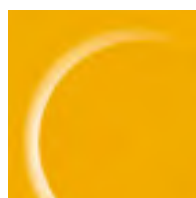
① J 0702



III  0890



IV 0866



IV 6191



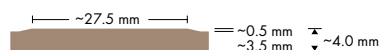
IV 0846\*

### norament® 926

 20

Art. 926/354


□ ~1004 mm x 1004 mm



nora® profile connection dimension: E + U

Resists most oils and greases

These colours can also be delivered as:

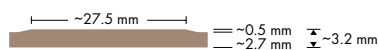
 Stairtread norament® 926, page 52

### norament® 825

 20

Art. 825/1902

□ ~501 mm x 501 mm



nora® profile connection dimension: D + U

○ = Price category

\*Colour design by Sir Norman Foster



BMW AG, Leipzig, Germany

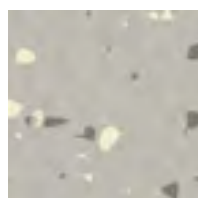


# norament® 926 grano

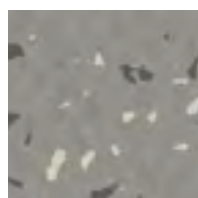
A granular design rich in contrast with a hammerblow surface or a cubic structure for use in extremely heavy traffic areas.



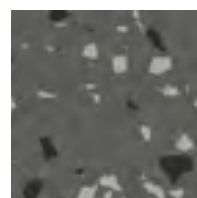
⚡ 5301



5302



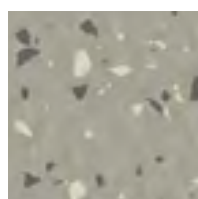
5303



5304



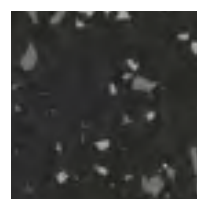
5305



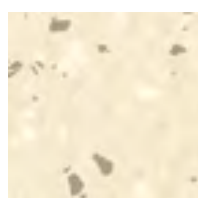
5306



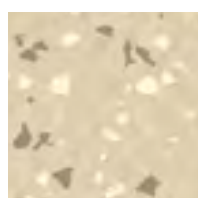
5307



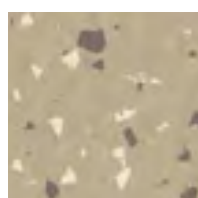
5308



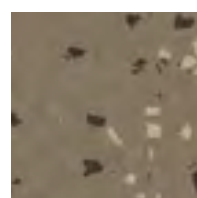
5309



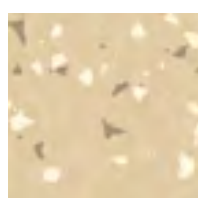
5310



5311



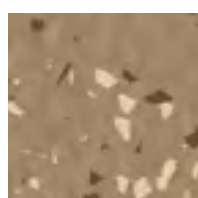
5312



5313



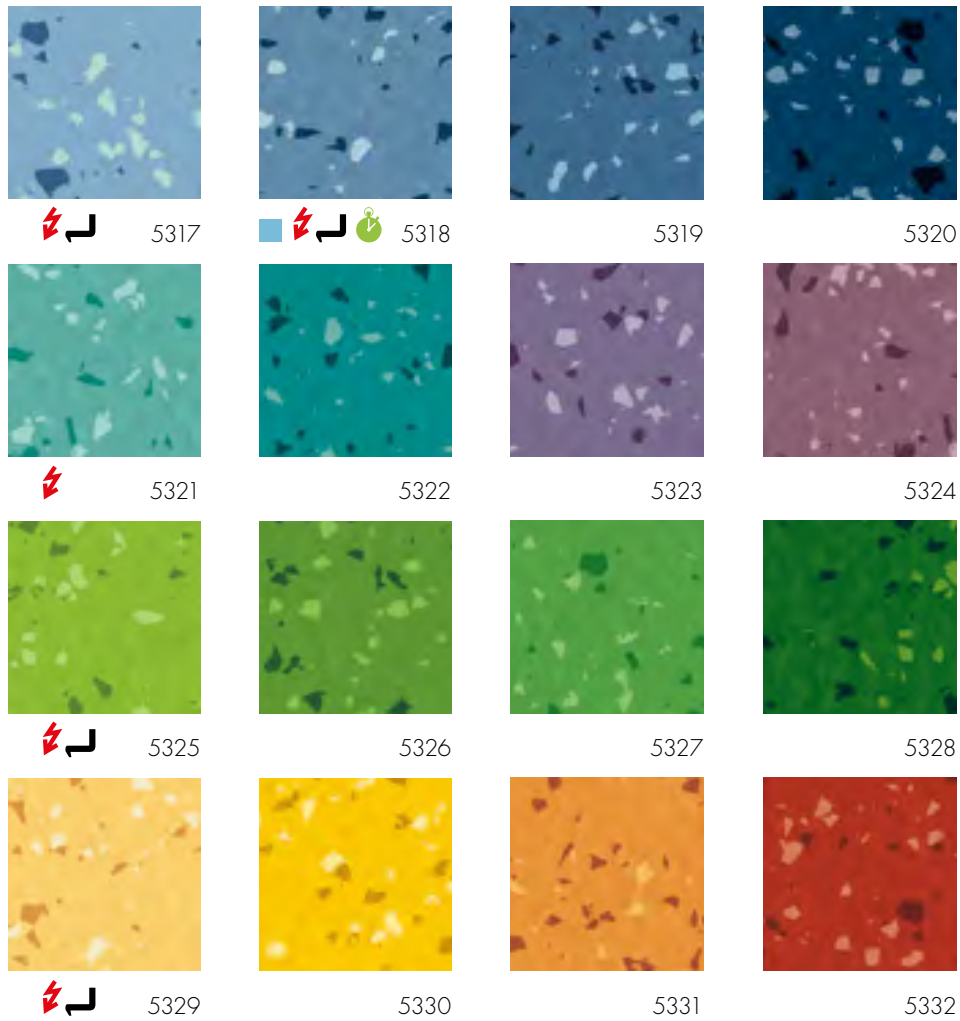
5314



5315



5316



**norament® 926 grano**



Art. 926 grano/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:

⚡ Special flooring norament® 928 grano ed electrostatically dissipative, page 43

└ Stairtread norament® 926 grano, page 53

**norament® 926 grano**



Art. 926 grano/1911

□ ~610 mm x 610 mm



Resists most oils and greases

Slip resistant R9

🌱 Also available as norament® 926 grano nTx, page 62

**Note: More designs and information on nora® nTx can be found at [www.nora.com](http://www.nora.com) or on request.**

**norament® 926 grano** · with a cubic-structure



**norament® 926 grano (with a cubic-structure)**



Art. 926 grano/1870

□ ~1004 mm x 1004 mm



Slip resistant R10



ECNU affiliated bilingual school, China



Kita "An der Schutter", Ingolstadt, Germany

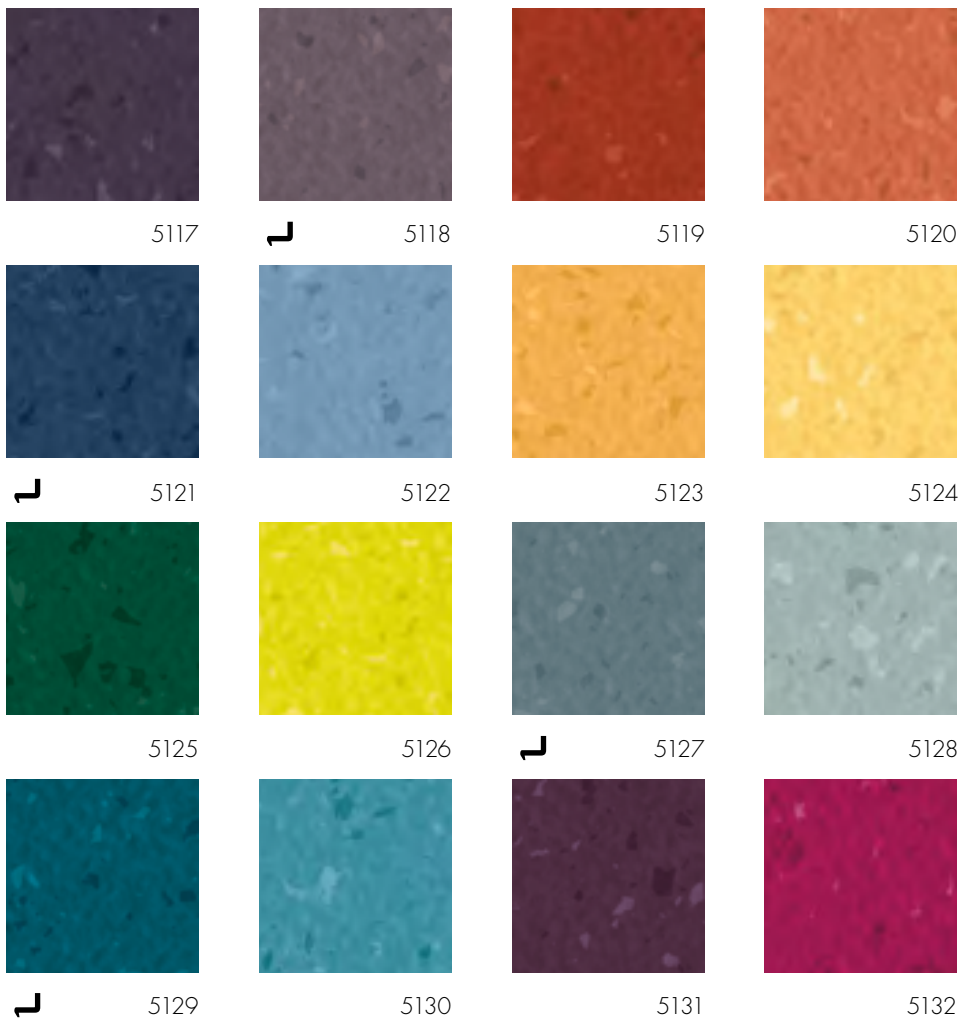
norament®



# norament® 926 satura

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

5101	5102	5103	5104
5105	5106	5107	5108
5109	5110	5111	5112
5113	5114	5115	5116



**norament® 926 satura**

32

Art. 926 satura/1880

□ ~1004 mm x 1004 mm



nora® profile connection dimension: E + U

Resists most oils and greases

These colours can also be delivered as:

└ Stairtread norament® 926 satura, page 54

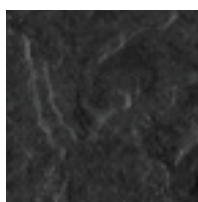
Also available as norament® 926 satura nTx, page 62

**Note: More designs and information on nora® nTx can be found at [www.nora.com](http://www.nora.com) or on request.**

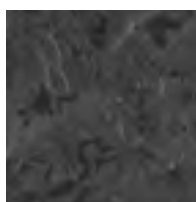


# norament® 926 arago

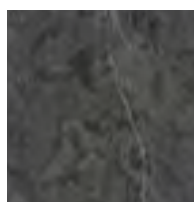
Flat, direction-oriented relief structure with fine grain design and modern marbling for maximum demands. No two tiles are the same – each square meter is totally unique.




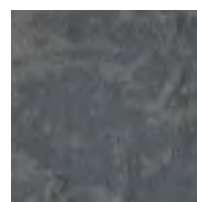
5170



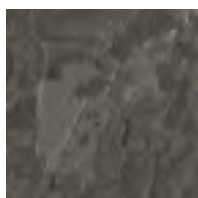
5171



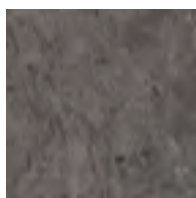
 5172



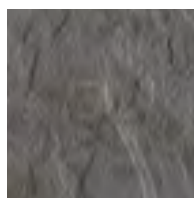
5173



5174



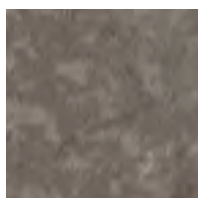
5175



5176



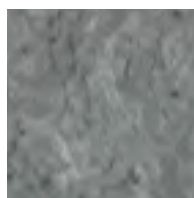
 5177



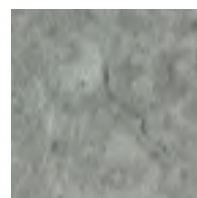
5178



5179



5180



5181

**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

Order-related smaller formats can be cut for individual installation combinations without minimum quantity requirements from norament® 926 arago tiles with the standard dimensions of 1.004 mm x 502 mm.

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

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

**norament® 926 arago with chamfered edges**
 12
**Art. 926 arago/3119**

□ ~998 mm x 497 mm

 ~3.5 mm

nora® profile connection dimension: E + U

Resists most oils and greases



Also available as norament® 926 arago nTx,  
page 62

**Note: More designs and information on nora® nTx  
can be found at [www.nora.com](http://www.nora.com) or on request.**



Memorial Hall of the martyrs cemetery in Longhua, Shanghai, China

# **noraplan®**

noraplan® floor coverings are available as sheet material or tiles, and offer an unlimited scope of design possibilities due to the the variety of designs and colours. Learn more about the noraplan® product portfolio, the natural properties as well as the possible applications.



AKH Viersen, Germany

© Markus Bachmann



Wuppertal Suspension Railway, Germany

© Dirk Wilhelmy



Canteen Otto Group, Hamburg, Germany

© Valeska Achenbach



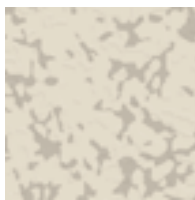
Ladybird Early Learning Centre, Dubai, United Arab Emirates

© Gerry O'leary



# noraplan® lona

Rubber floor covering with a contrasting accent colour in an elegant design. The silk-matte, lightly structured surface adds visual depth to the filigree arrangement of contrasting colours and accents.



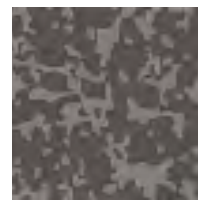
6900



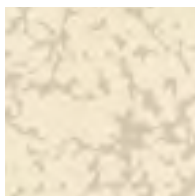
6901



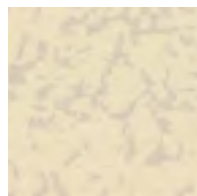
6902



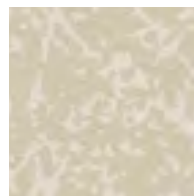
6903



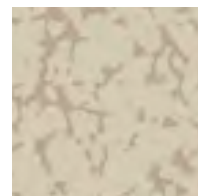
6904



6905



6906



6907



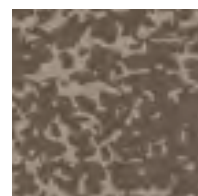
6908



6909



6910



6911



6912



6913



6914



6915



6916



6917



6918



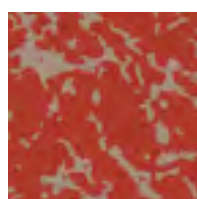
6919



6920



6921



6922



6923

#### noraplan® lona

24

Art. 166B

~1.22 m x 15.0 m

Art. 266B

~610 mm x 610 mm

~2.0 mm

nora® profile connection dimension: A + U

Also available as noraplan® lona nTx, page 61

**Note: More designs and information on nora® nTx can be found at [www.nora.com](http://www.nora.com) or on request. Minimum quantities required.**



Kindergarten Schönmattenweg, Germany

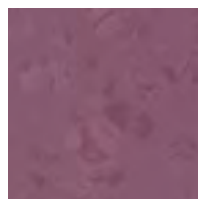


# noraplan® sentica

A changing base colour of harmoniously matched colour compositions in a smooth surface for heavy traffic areas.



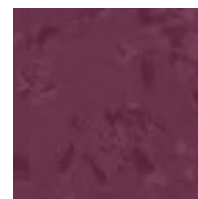
6500



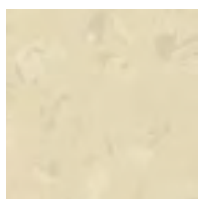
6501



6502



6503



6504



6505



6506



6507



6508



6509



6510



6511



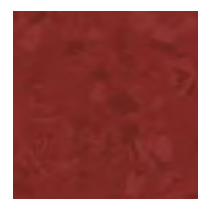
6512



6513



6514



6515



**noraplan® sentica**

38

**Art. 1700**

~1.22 m x 15.0 m

**Art. 2700**

~610 mm x 610 mm

15 = 5.58 m<sup>2</sup> in one carton

~2.0 mm

nora® profile connection dimension: A + U

**noraplan® sentica**

12

**Art. 1701**

~1.22 m x 12.0 m

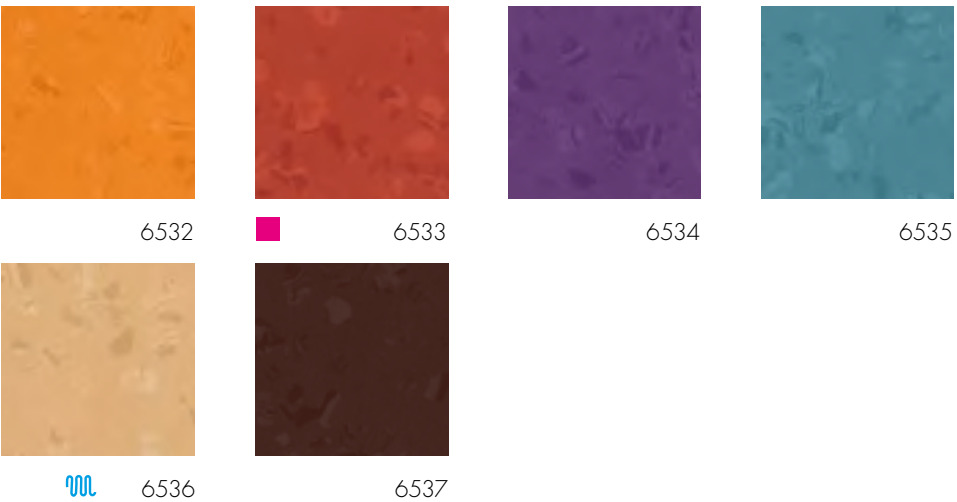
**Art. 2701**

~610 mm x 610 mm

10 = 3.72 m<sup>2</sup> in one carton

~3.0 mm

nora® profile connection dimension: D + U



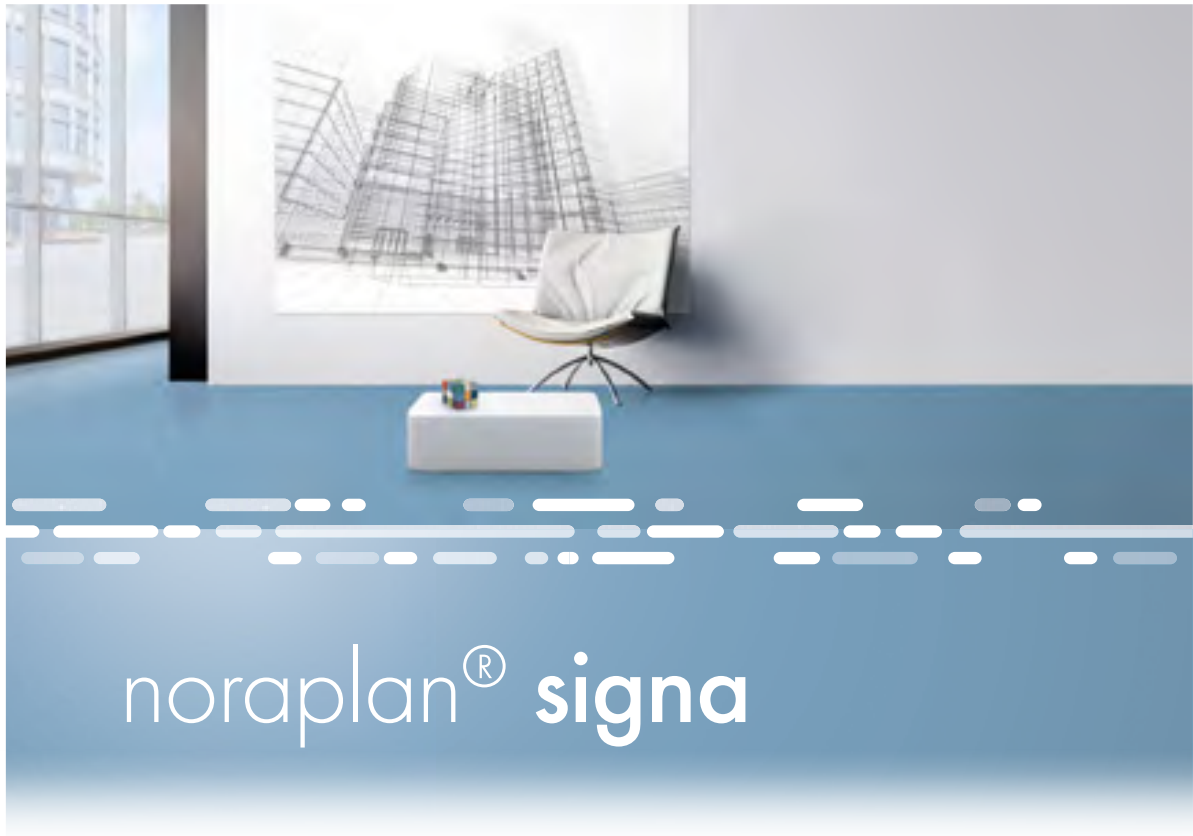
These colours can also be delivered as:

- Special flooring noraplan® sentica ed electrostatically dissipative, page 44
- Special flooring noraplan® sentica acoustic footfall-sound-absorbing 20 dB, page 47
- Also available as noraplan® sentica nTx, page 61

**Note: More designs and information on nora® nTx can be found at [www.nora.com](http://www.nora.com) or on request.**



Universitätsklinikum Düsseldorf Strahlentherapie Linac 4, Germany



# noraplan® signal

A changing base colour consisting of three harmoniously matched colour components and characteristic granule inclusions in a smooth surface for heavy traffic areas.

7031	7032	7033	7034
7035	7036	7037	7038
7039	7040	7041	7042
7043	7044	7045	7046



BASF-LuKids, Ludwigshafen, Germany © Lioba Schneider



**noraplan® signa**

48  
**Art. 1462**  
~1.22 m x 15.0 m  
**Art. 2462**  
~610 mm x 610 mm  
15 = 5.58 m<sup>2</sup> in one carton  
~2.0 mm

nora® profile connection dimension: A + U

**noraplan® signa**

17  
**Art. 1463**  
~1.22 m x 12.0 m  
**Art. 2463**  
~610 mm x 610 mm  
10 = 3.72 m<sup>2</sup> in one carton  
~3.0 mm

nora® profile connection dimension: D + U



These colours can also be delivered as:

- Special flooring noraplan® signa ed electrostatically dissipative, page 45
- Special flooring noraplan® signa acoustic footfall-sound-absorbing 20 dB, page 48
- Also available as noraplan® signa nTx, page 61

**Note: More designs and information on nora® nTx can be found at [www.nora.com](http://www.nora.com) or on request.**



noraplan® **valua**

Imagine a floor covering that brings the beauty and comfort of the natural world indoors. A room that exudes the intuitive warmth, light and calm so hard to find in today's busy world. Envision a perfect moment tailored just to you. Perhaps it's a glimpse of blue sky out of your window. Or the glow of your living room, illuminated by morning light. Maybe it's the hush of the ocean nearby. Imagine a flooring that makes you feel at home.



**noraplan® valua** · A variant of flowing vibrancy



6708



6709



6710



6711



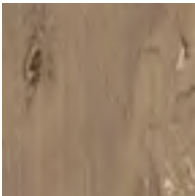
6712



6713



6714



6715



Frits Philips lyceum, Netherlands



**Rolls**



Art. 174A

~1.22 m x 15.0 m

~2.0 mm

nora® profile connection dimension: A + U



Art. 175A

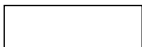
~1.22 m x 12.0 m

~3.0 mm

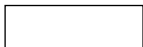
nora® profile connection dimension: D + U

Three plank sizes. Unlimited possibilities

**Planks**



610 mm x 205 mm

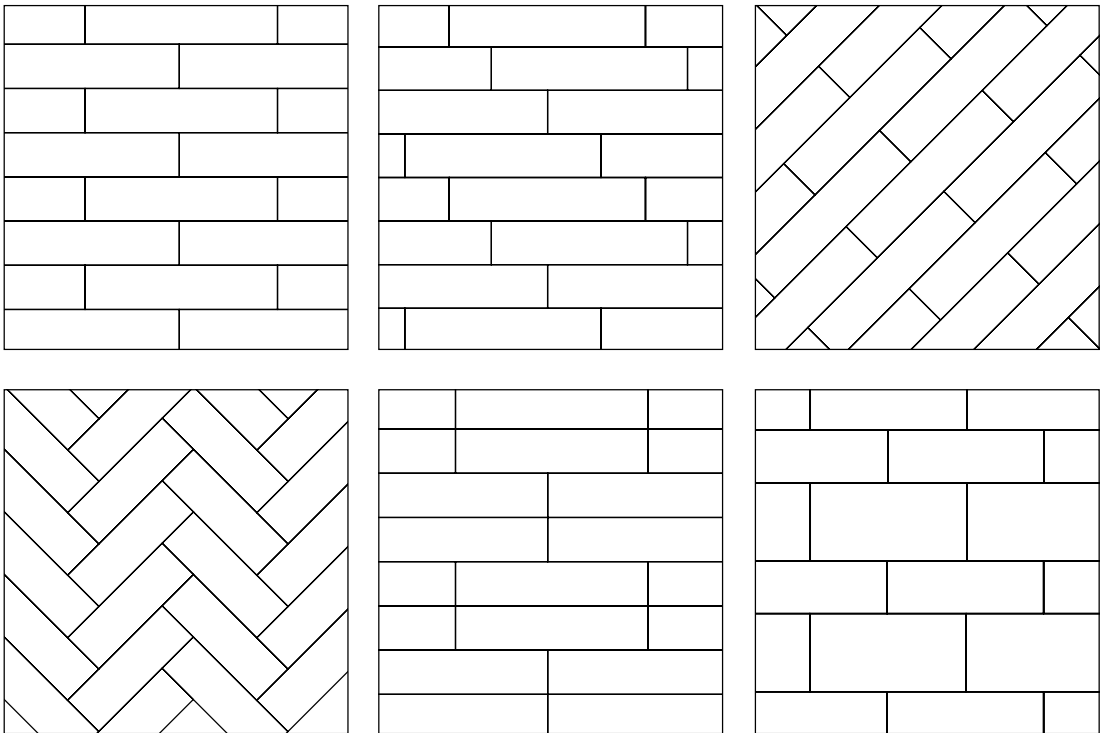


610 mm x 305 mm



1220 mm x 405 mm

**Example installations**



**Planks**



Art. 272A

~610 mm x 205 mm

36 □ = 4.50 m² in one carton

Art. 273A

~610 mm x 305 mm

24 □ = 4.46 m² in one carton

Art. 274A

~1.220 mm x 405 mm

12 □ = 5.92 m² in one carton

~2.0 mm

nora® profile connection dimension: A + U



Art. 275A

~610 mm x 205 mm

24 □ = 3.00 m² in one carton

Art. 276A

~610 mm x 305 mm

16 □ = 2.97 m² in one carton

Art. 277A

~1.220 mm x 405 mm

8 □ = 3.95 m² in one carton

~3.0 mm

nora® profile connection dimension: D + U

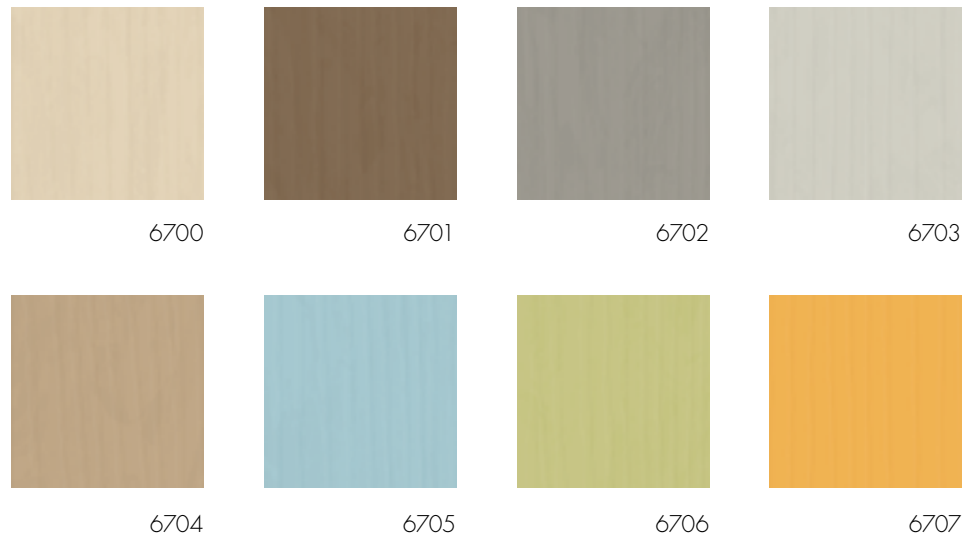
Also available as noraplan® valua nTx, page 61

**Note: More designs and information on nora® nTx can be found at [www.nora.com](http://www.nora.com) or on request. Minimum quantities required.**



Deaconess Gateway Hospital, Newburgh, USA

**noraplan® valua** · A restful variant of virtually plain colour



#### Rolls



Art. 172A

~1.22 m x 15.0 m



nora® profile connection dimension: A + U



Art. 173A

~1.22 m x 12.0 m



nora® profile connection dimension: D + U

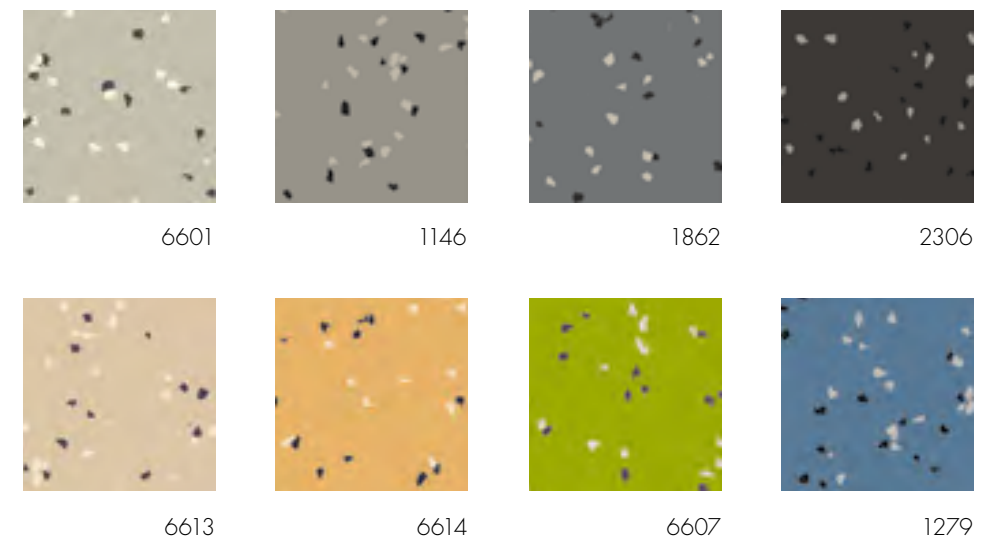
noraplan®



## noraplan® stone

Discreet, non-directional scatter design available in both reflection-breaking and smooth surfaces for heavy traffic areas.

**noraplan® stone** · smooth surface



**noraplan® stone** · smooth surface



Art. 1600

~1.22 m x 15.0 m



nora® profile connection dimension: A + U

Slip resistant R9

Art. 2600

~610 mm x 610 mm

15 □ = 5.58 m² in one carton



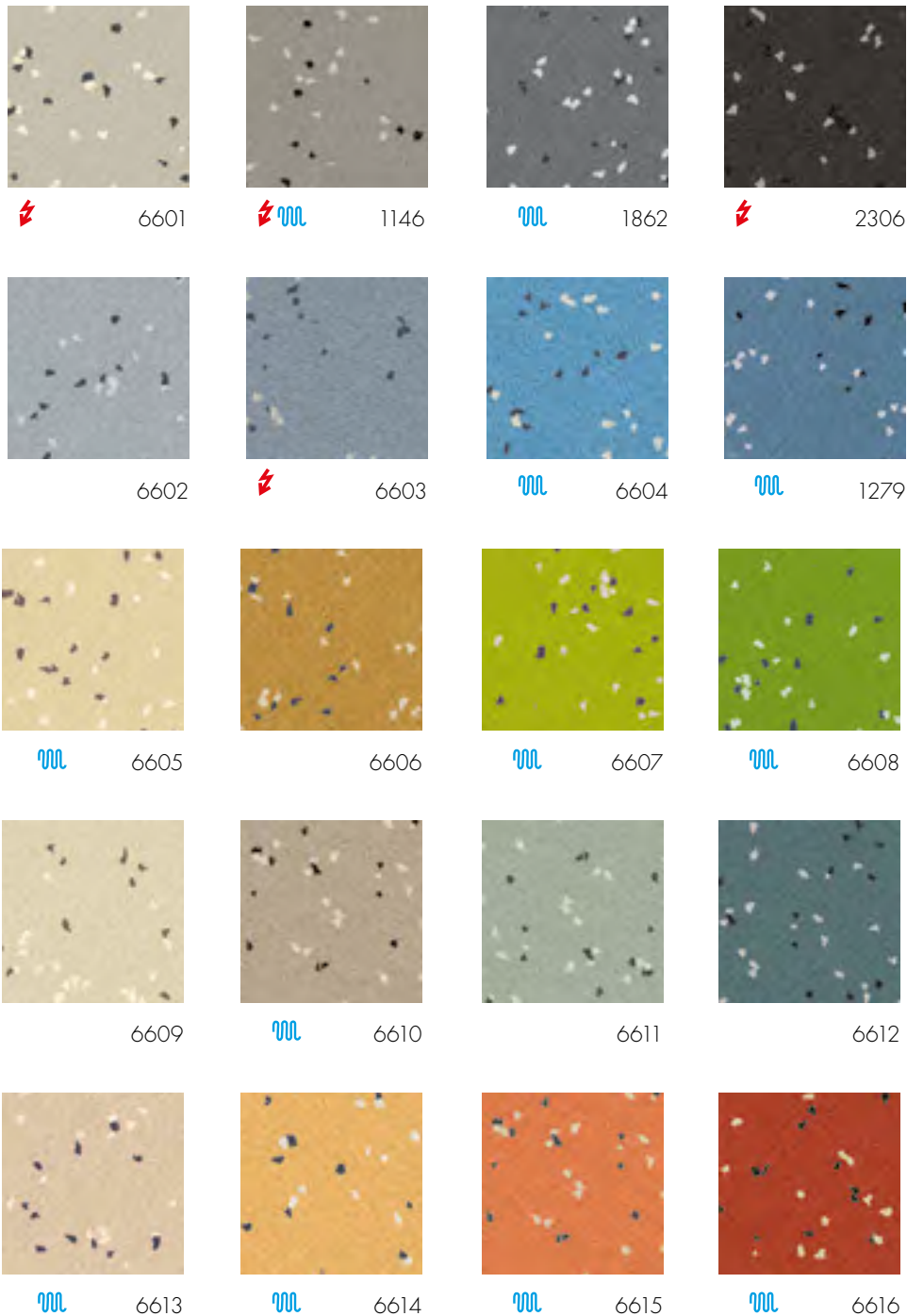
Also available as noraplan® stone nTx, page 61

**Note: More designs and information on nora® nTx can be found at [www.nora.com](http://www.nora.com) or on request. Minimum quantities required.**



Kinderhaus WaldSchatz Kita, Waldbronn, Germany

## noraplan® stone · reflection-breaking surface



### noraplan® stone · reflection-breaking surface

20

Art. 149

~1.22 m x 15.0 m

Art. 249

~610 mm x 610 mm

15 □ = 5.58 m<sup>2</sup> in one carton

~2.0 mm

nora® profile connection dimension: A + U

Slip resistant R10

These colours can also be delivered as:

Special flooring noraplan® stone ed electrostatically dissipative, page 46

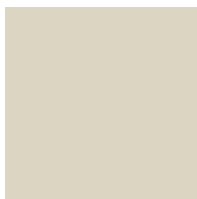
Special flooring noraplan® stone acoustic football-sound-absorbing 20 dB, page 49

Also available as noraplan® stone nTx, page 61

**Note: More designs and information on nora® nTx can be found at [www.nora.com](http://www.nora.com) or on request. Minimum quantities required.**



One-coloured with a smooth surface for heavy traffic areas.



2446



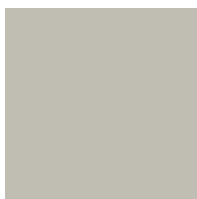
6175



2140



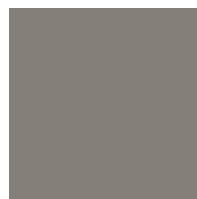
2647



2454



1810



2457



2451



6176



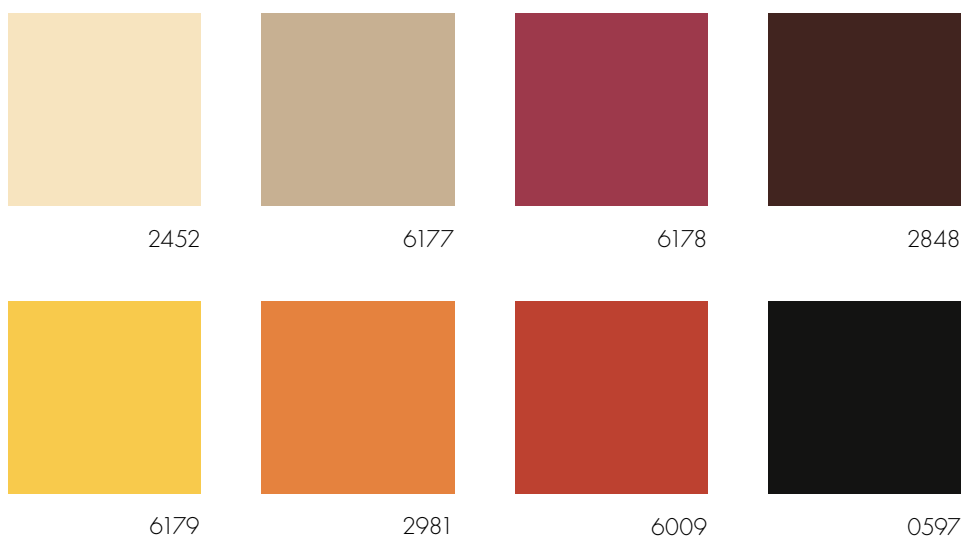
2144



0131



6129



### **noraplan® uni**

20

**Art. 1461**

~1.22 m x 12.0 m

**Art. 2461**

~610 mm x 610 mm

15 = 5.58 m<sup>2</sup> in one carton

~2.0 mm

nora® profile connection dimension: A + U

Also available as noraplan® uni nTx, page 61

**Note: More designs and information on nora® nTx can be found at [www.nora.com](http://www.nora.com) or on request. Minimum quantities required.**



Zalando offices at Spreespeicher, Berlin, Germany

©Dirk Wilhelmy



# **noraplan® unita**

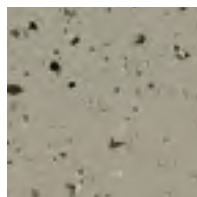
A perfect combination of materials, comprising permanently resilient rubber and randomly dispersed granite chips with a smooth surface for heavy traffic areas. Available in two timeless designs.



**red dot** design award  
winner 2012



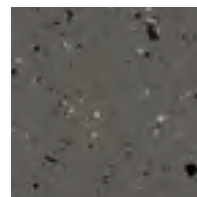
6442



6443



6444



6445



6446



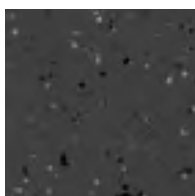
6447



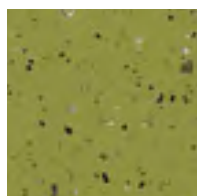
6448



6449



6450



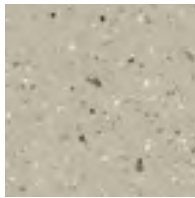
6451



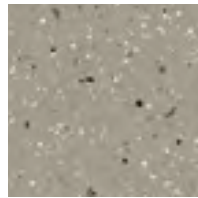
6452



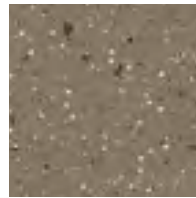
6453



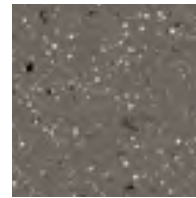
6454\*



6455\*



6456\*



6457\*

#### noraplan® unita

Design with discretely dispersed granite chips

12

Art. 1640

~1.22 m x 15.0 m

~2.0 mm

nora® profile connection dimension: A + U

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

#### noraplan® unita

Design with glimmering dispersed granite

4

Art. 1650\*

~1.22 m x 15.0 m

~2.0 mm

nora® profile connection dimension: A + U

\* Art. 1650 is only available in colours: 6454, 6455, 6456 and 6457.

Also available as noraplan® unita nTx, page 61

**Note: More designs and information on nora® nTx can be found at [www.nora.com](http://www.nora.com) or on request. Minimum quantities required.**





# noraplan® eco

Smooth tone-in-tone granular design in a smooth surface for heavy traffic areas.



6620



6621



6622



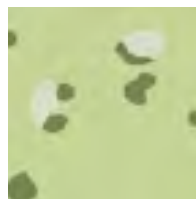
6623



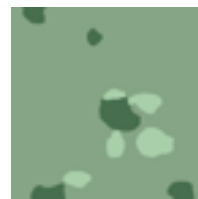
6624



6625



6626



6627



6628



6629



6630



6631



6632



6633



6634



6635

## noraplan® eco

16

Art. 1490

~1.22 m x 15.0 m

Art. 2490

~610 mm x 610 mm

15 □ = 5.58 m<sup>2</sup> in one carton

~2.0 mm

nora® profile connection dimension: A + U

Also available as noraplan® eco nTx, page 61

**Note: More designs and information on nora® nTx can be found at [www.nora.com](http://www.nora.com) or on request. Minimum quantities required.**

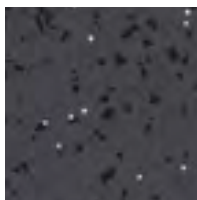


Shanghai putuo district administrative service center, Shanghai, China



## 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 51 130 and BGR 181 or GUV-R 181, excellent environmental compatibility confirmed by BRE "A+" rating.



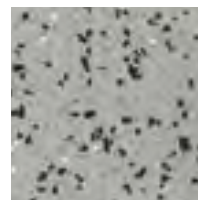
6014



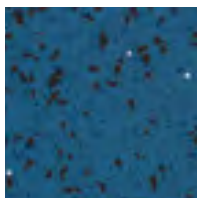
6015



6016



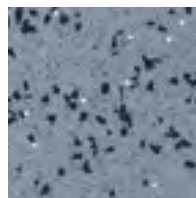
6017



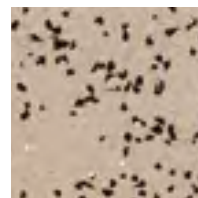
6018



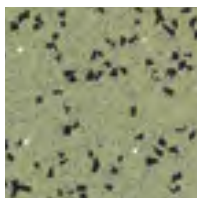
6019



6020



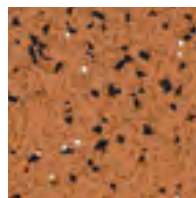
6021



6023



6024



6027



6029

**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

Also available as noraplan® ultra grip nTx, page 61

**Note: More designs and information on nora® nTx can be found at [www.nora.com](http://www.nora.com) or on request. Minimum quantities required.**



Kindergarten Fürth, Germany

# 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. Get to know the range of designs and variants on the following pages.





SanaCare, Alsbach-Hähnlein, Germany



Albrecht Jung GmbH & Co. KG, Lünen, Germany



Seitec Elektronik GmbH, Elsteraue, Germany



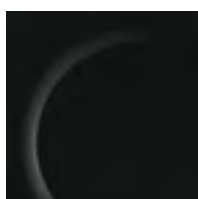
United Monolithic Semiconductors GmbH, Ulm, Germany

# norament® 992/992 grano

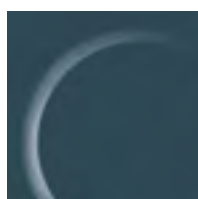
For areas with extreme requirements (e.g. ice rinks, golf clubs, animal stables, etc.).

## norament® 992

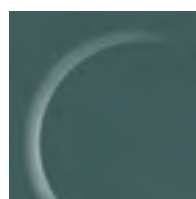
Round pastille



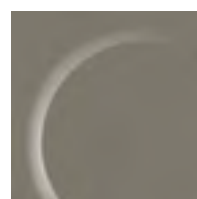
0702



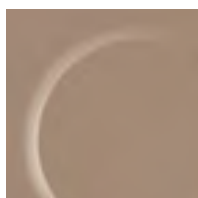
0319



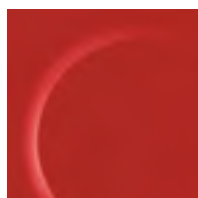
2079



0882



6172



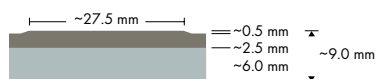
0866

### norament® 992



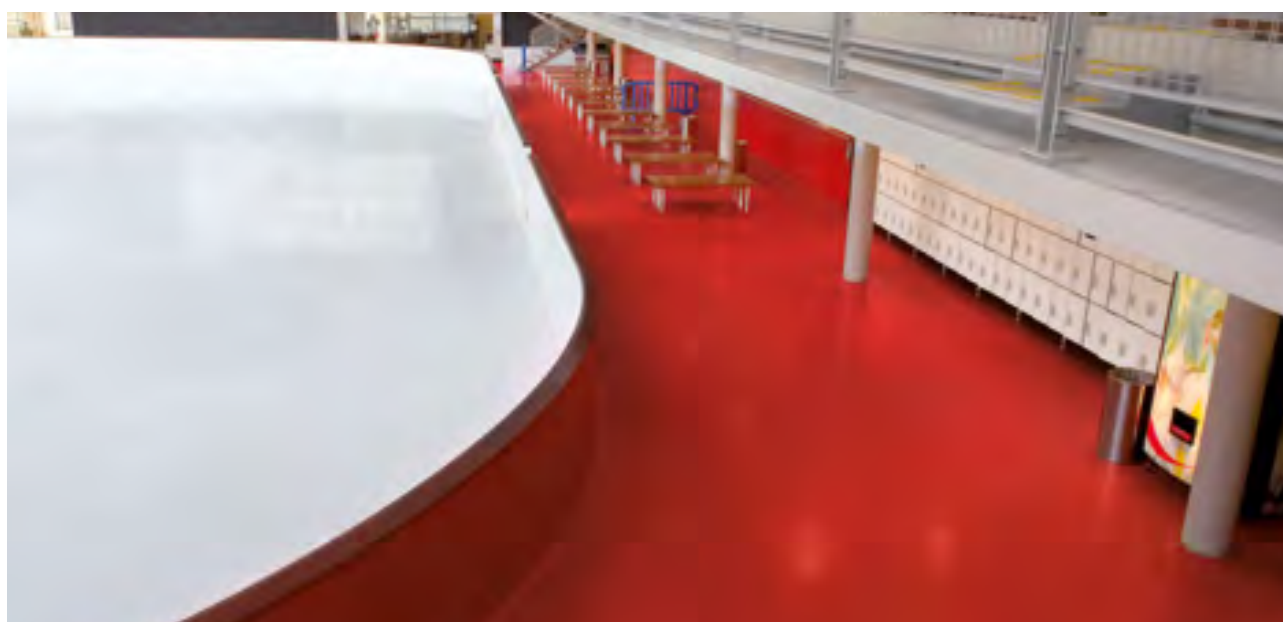
Art. 992/1956

□ ~1002 mm x 1002 mm



nora® profile connection dimension: N

Please note price group black/coloured



Patinoire de Pailleron, France

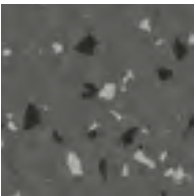
**norament® 992 grano**  
Hammerblow surface



5302



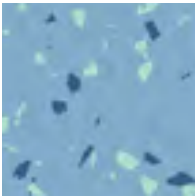
5303



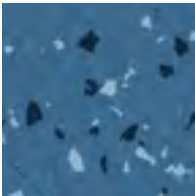
5304



5308



5317



5319

**norament® 992 grano**



Art. 992 grano/1955

□ ~1002 mm x 1002 mm



nora® profile connection dimension: N



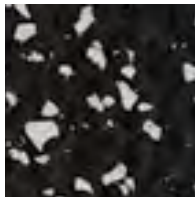
SAP-Arena, Mannheim, Germany

# 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 and fork-lift-truck areas (norament® 927 grano ec). Largely resistant to acids and alkalis (norament® 927 grano ec).

## norament® 927 grano ec



4617

### norament® 927 grano ec



Art. 927 grano ec/1880

□ ~1004 mm x 1004 mm

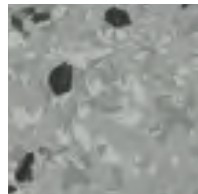


nora® profile connection dimension: E + U

## noraplan® astro ec



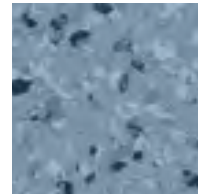
6102



6007



6114



6056

### noraplan® astro ec



Art. 166C

□ ~1.22 m x 12.0 m

Art. 266C

□ ~610 mm x 610 mm

15 □ = 5.58 m² in one carton



nora® profile connection dimension: A + U

# 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.

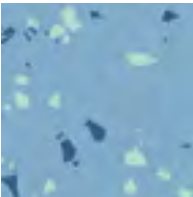
## norament® 928 grano ed



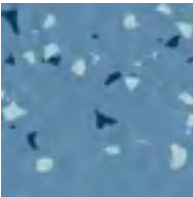
5301



5306



5317



5318



5329



5325



5321



5304

### norament® 928 grano ed



Art. 928 grano ed/1880

□ ~1002 mm x 1002 mm



nora® profile connection dimension: E + U

### norament® 928 grano ed



Art. 928 grano ed/1911

□ ~610 mm x 610 mm



# 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



6520



6521



6522



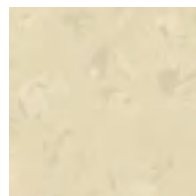
6523



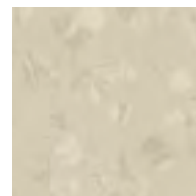
6508



6509



6504



6505



6517



6513



6529



6530

### noraplan® sentica ed

12

Art. 1702

~1.22 m x 15.0 m

Art. 2702

~610 mm x 610 mm

15 = 5.58 m<sup>2</sup> in one carton

~2.0 mm

nora® profile connection dimension: A + U

### noraplan® sentica ed

12

Art. 1703

~1.22 m x 12.0 m

~3.0 mm

nora® profile connection dimension: D + U

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 treated with the nora® joint-sealing compound.

## noraplan® signa ed



7031



7033



7035



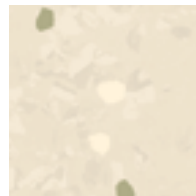
7036



7044



7045



7051



7052



7055



7056



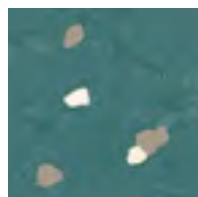
7065



7066



7067



7076

### noraplan® signa ed



Art. 1390

~1.22 m x 15.0 m

Art. 2390

~610 mm x 610 mm

15 □ = 5.58 m² in one carton



nora® profile connection dimension: A + U

### noraplan® signa ed



Art. 1523

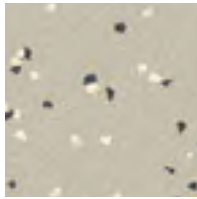
~1.22 m x 12.0 m



nora® profile connection dimension: D + U

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

## noraplan® stone ed · reflection-breaking surface



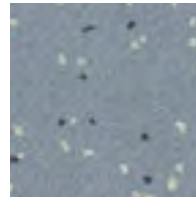
6601



1146



2306



6603

### noraplan® stone ed · reflection-breaking surface



Art. 129

~1.22 m x 15.0 m

Art. 229

~610 mm x 610 mm

15 □ = 5.58 m<sup>2</sup> in one carton



nora® profile connection dimension: A + U

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

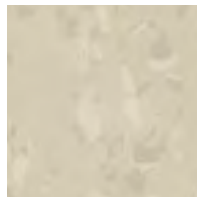


Hospital Siloah, Hannover, Germany

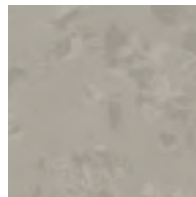
# noraplan® acoustic

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

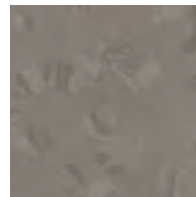
## noraplan® sentica acoustic



6505



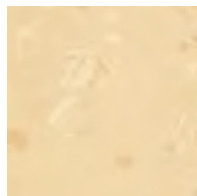
6520



6521



6522



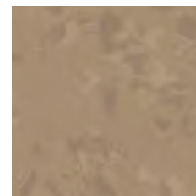
6508



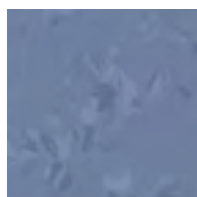
6536



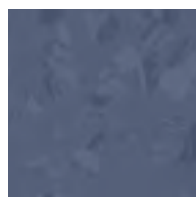
6513



6510



6530



6531



6516



6517

## noraplan® sentica acoustic

 12

Art. 1705

 ~1.22 m x 12.0 m

 ~1.6 mm ~4.0 mm  
~2.4 mm

nora® profile connection dimension: F + U

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

# noraplan® acoustic

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

## noraplan® signa acoustic



7032



7033



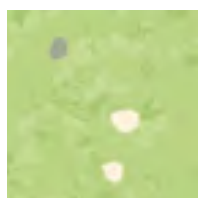
7055



7056



7065



7067



7071



7072

## noraplan® signa acoustic



Art. 1420

~1.22 m x 12.0 m



~1.6 mm  
~2.4 mm  
~4.0 mm

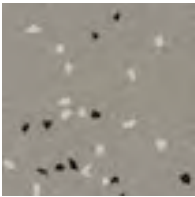
nora® profile connection dimension: F + U

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

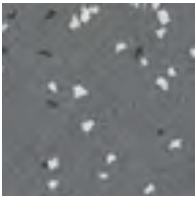


Kindergarten Völklingen, Germany

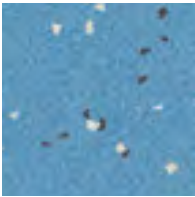
**noraplan® stone acoustic** · reflection-breaking surface



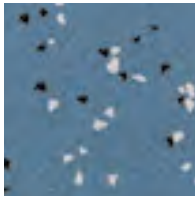
1146



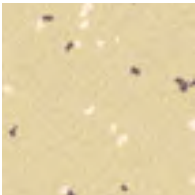
1862



6604



1279



6605



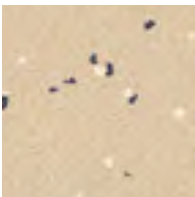
6610



6607



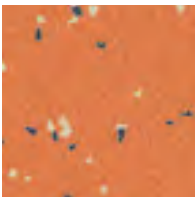
6608



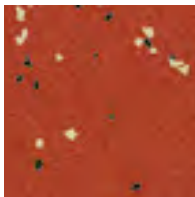
6613



6614



6615



6616

**noraplan® stone acoustic** · reflection-breaking surface



**Art. 148**

~1.22 m x 12.0 m

~1.6 mm    ~2.4 mm    ~4.0 mm

nora® profile connection dimension: F + U

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

# nora® Stairwell solutions

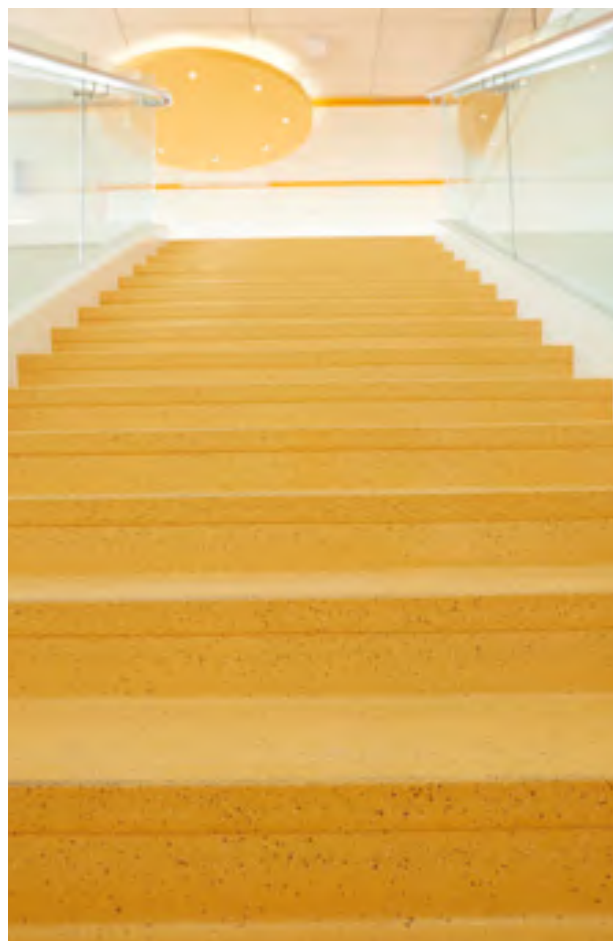
Individual requirements for stairwells are best fulfilled from our extensive system programme, from the tailored norament® stairtread with integrated preformed stair nosing, riser, and tread to individual combinations of stair angles, stair nosings, and integrated safety stripes.

Our system range is rounded off with colour-matched skirting solutions, joint-sealing compounds, hot welding rods, and installation materials.





Macquarie Bank, London, England



ECNU affiliated bilingual school, China



Krankenhaus St. Bonifatius, Germany



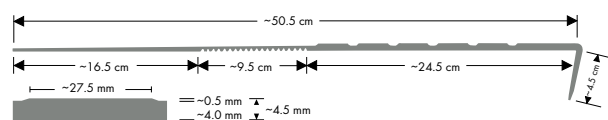
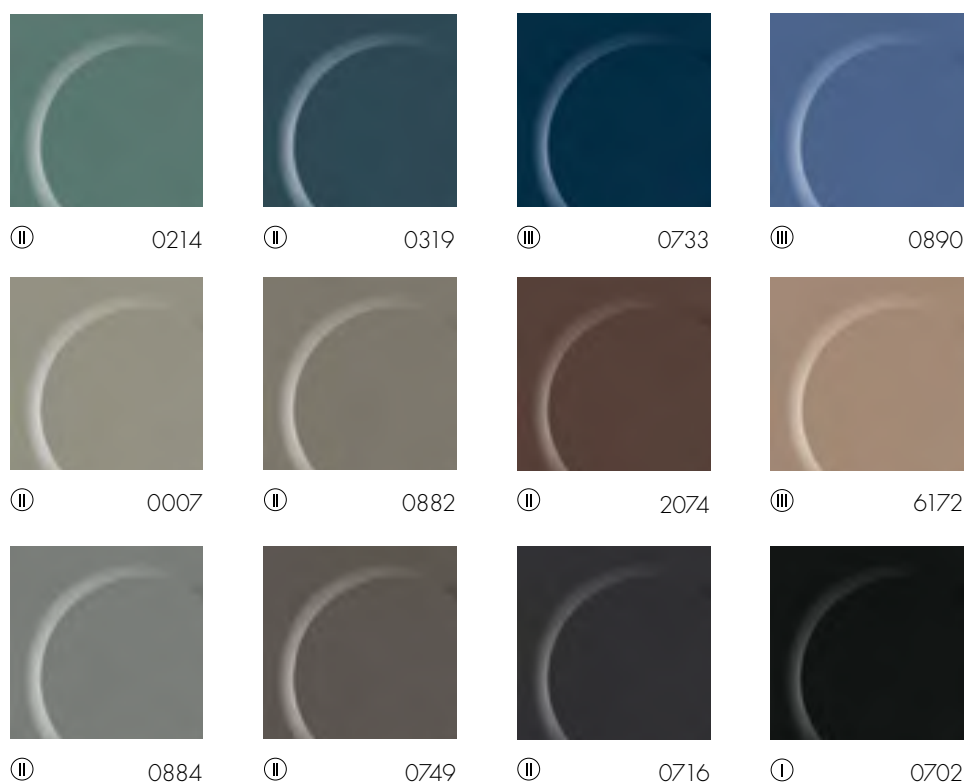
Macquarie Bank, Sydney, Australia

# 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, footfall sound absorption improvement of 12 dB



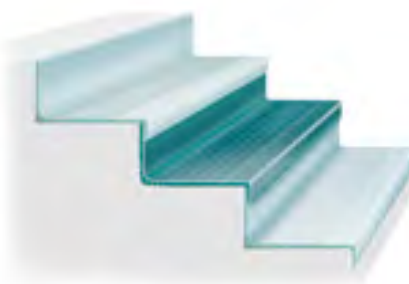
### Stairtread norament® 926

12

Art. 926/465 - width 1.285 mm

Art. 926/466 - width 1.614 mm

Art. 926/467 - width 2.004 mm



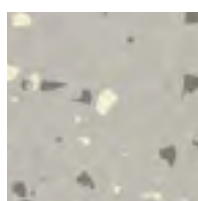
○ = Price category

## Stairtread norament® 926 grano

Granular design rich in contrast with a hammerblow surface, footfall sound absorption improvement of 12 dB



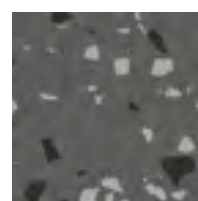
5301



5302



5303



5304



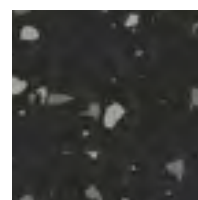
5313



5314



5315



5308



5329



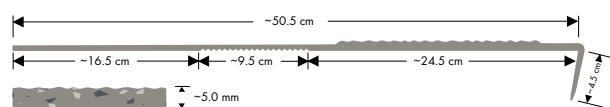
5325



5317



5318



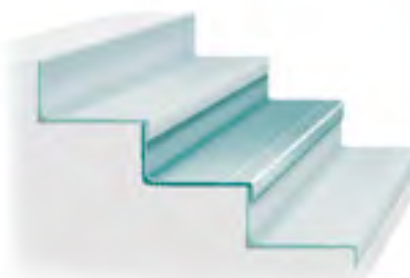
### Stairtread norament® 926 grano

12

Art. 926 grano/479 - width 1.285 mm

Art. 926 grano/468 - width 1.614 mm

Art. 926 grano/469 - width 2.004 mm



## Stairtread norament® 926 satura

Tone-in-tone granular design with a hammerblow surface, footfall sound absorption improvement of 12 dB



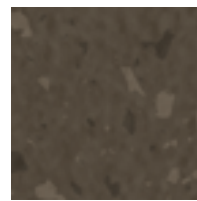
5102



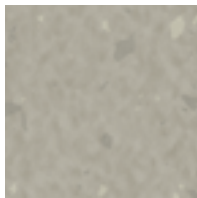
5103



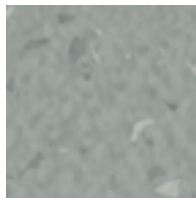
5107



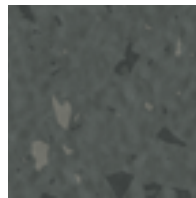
5108



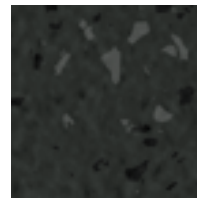
5110



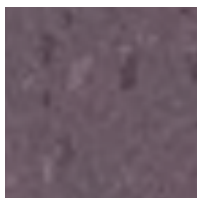
5114



5115



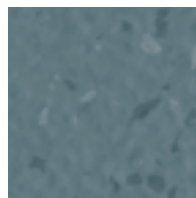
5116



5118



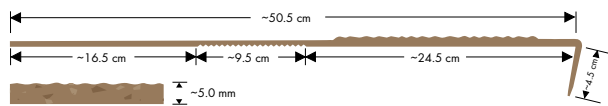
5121



5127



5129



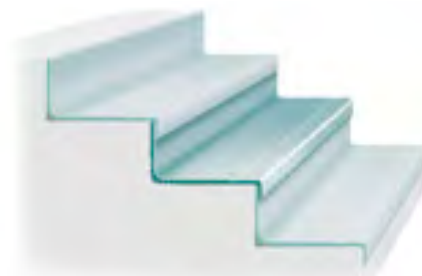
### Stairtread norament® 926 satura

12

Art. 926 satura/479 - width 1.285 mm

Art. 926 satura/468 - width 1.614 mm

Art. 926 satura/469 - width 2.004 mm



## **norament® stairtreads with signal or safety stripes**

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



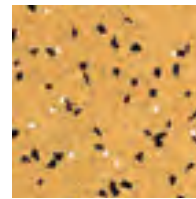
0122



0895



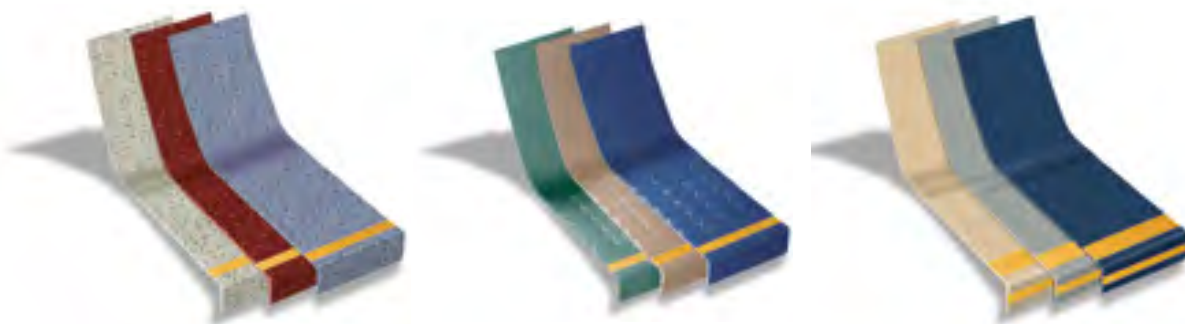
6014



6029

- Signal stripes yellow, phosphorescent according to DIN 67 510, in a width of 2 cm, integrated into the tread area of the stair nosing
- Signal stripes uni, in a width of 2, 3, 4 and 5 cm (5 cm only available with hammerblow surface) in the colours 0122, light grey, and 0895, signal yellow, integrated into the tread area and alternatively also in the vertical part of the stair nosing
- Safety stripes ultra grip for increased slip resistance, in a width of 2, 3, 4 and 5 cm (5 cm only available with hammerblow surface) in the colours 6029, yellow, and 6014, grey, integrated into the tread area and alternatively also in the vertical part of the stair nosing

Signal and safety stripes in other widths and colours are available on request.



# nora® stair accessories

Accessory range made of rubber matched to suit norament® and noraplan® floor coverings. Can also be used in combination with other types of floorings. nora® profiles are impact and shock-resistant, do not shrink, do not contain any plasticizers and retain their functional reliability long term.

## nora® stair nosings

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

**1 T 5049** **2 T 5044**

5

Minimum order quantity: 5 r.m.

Standard length: 2.5 r.m.

Delivery in 5 fixed lengths possible:

1.00/1.25/1.65/2.0/2.50 r.m.

**3 TA 1203**

Aluminium stair nosing for stairs  
made of norament® coverings

Delivery unit: 2.7 r.m.

0214

0702

0716

0749

0884

## nora® stair angles

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

**4 TW 7005 U** **5 TW 7006 U**

**6 TG 7003 U** **7 TG 7004 U**

35

Delivery unit: pieces

0007	0733	2074	5110	5121	5303	5317
0214	0749	5102	5114	5127	5304	5318
0319	0882	5103	5115	5129	5313	5325
0702	0884	5107	5116	5301	5314	5329
0716/5308	0890	5108	5118	5302	5315	6172

## nora® skirting and stringer profile

**8 S 1008 U**

35

Multi-purpose skirting

Delivery unit: rolls of 10 r.m.

Connection profile for nora® stair angles "TW"

**9 A 5013 U**

35

For landings and ramps

Delivery unit: in units of 2.5 r.m.

Connection profile for nora® stair angles "TG"

## nora® stair margin

**10**

2

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

Art. 819

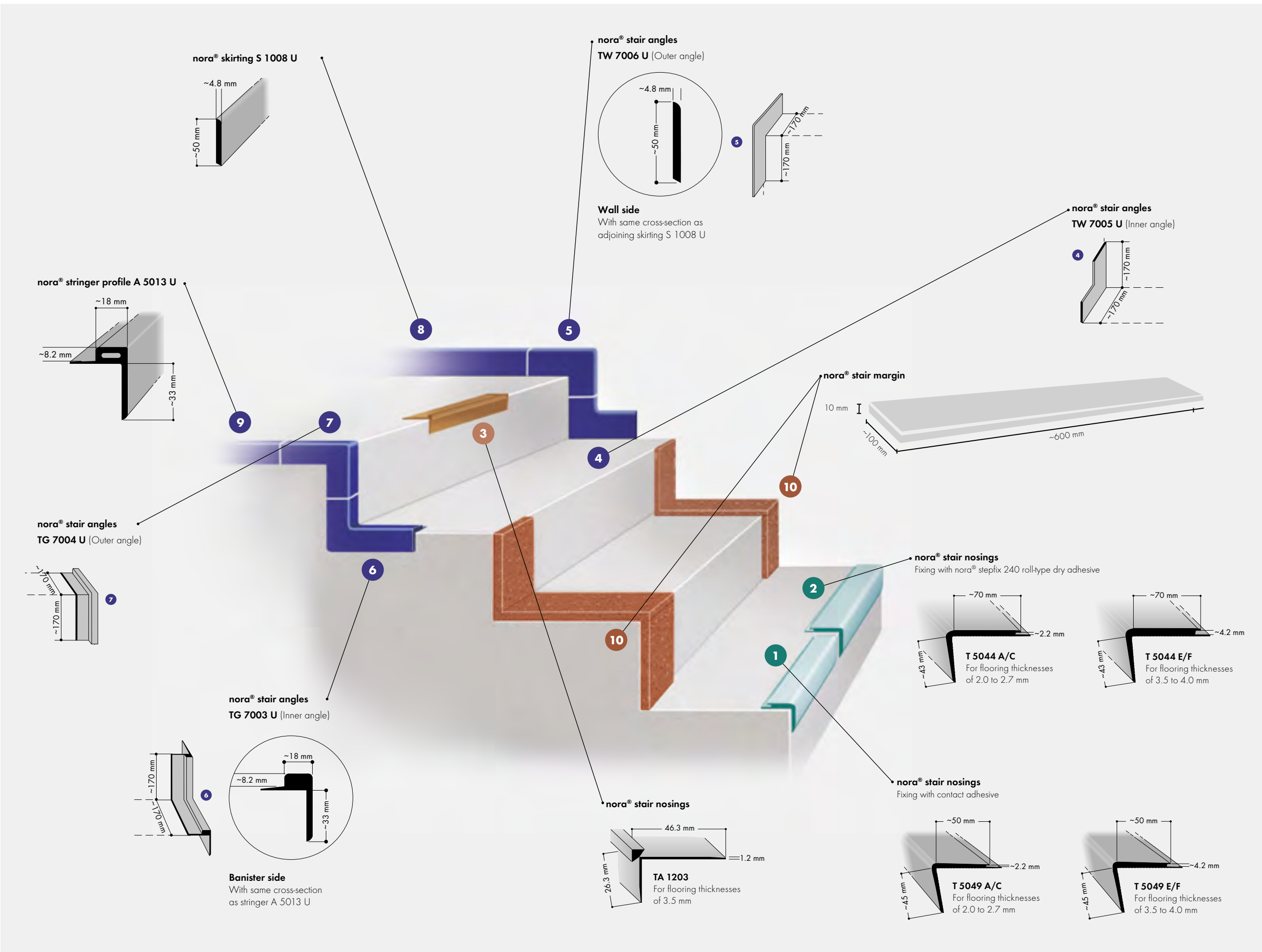
~600 mm x 100 mm

Thickness 10 mm

Supplied as: pieces

5304

5315



## 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.

The cost and eco-conscious adhesive innovation. Suitable for new buildings and renovation  
Advantages: 3-5 times as quick, odourless, can be walked on immediately, economic, eco-compatible, and reliable thanks to excellent bonding performance.

**Art. 907**

## 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.

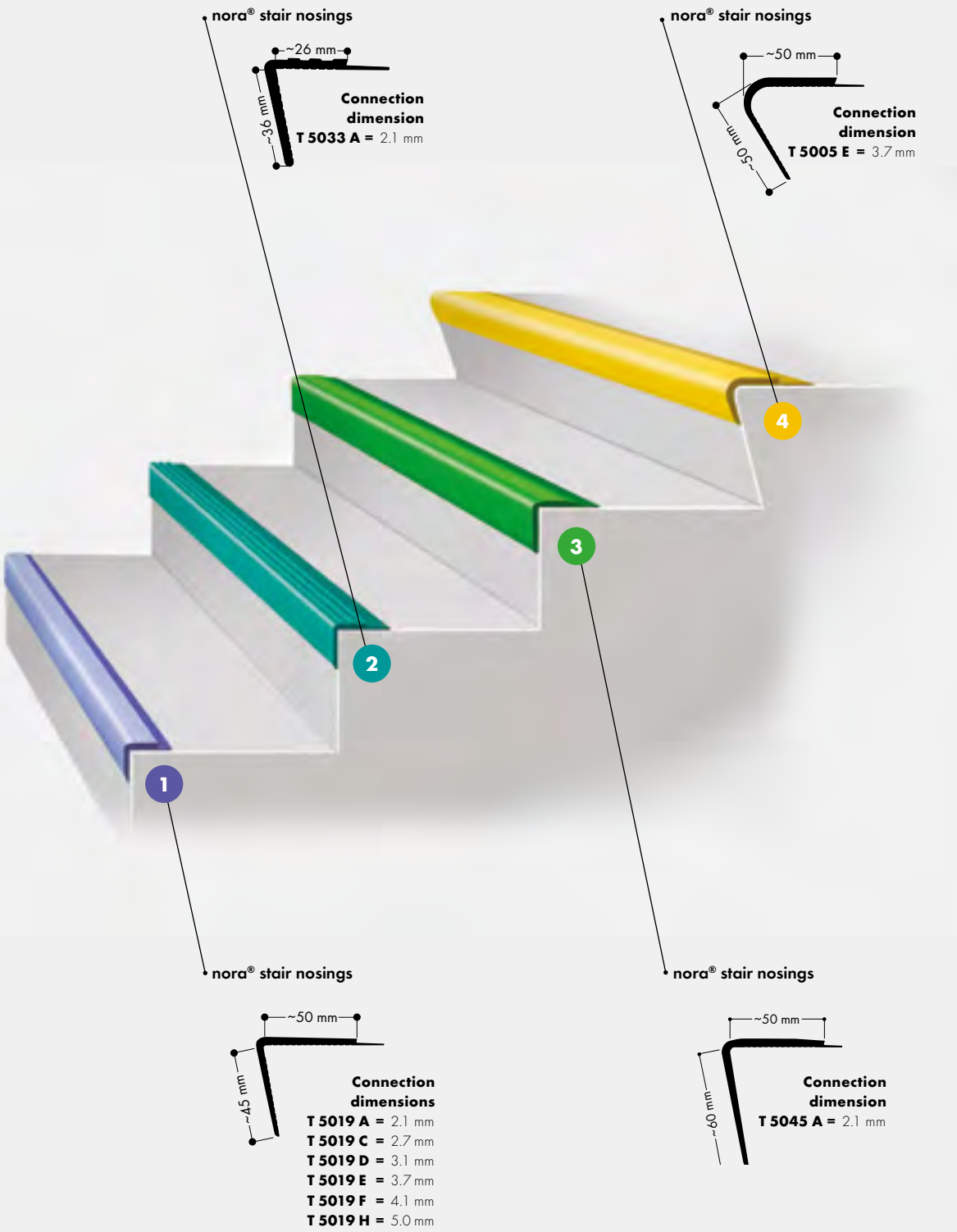
## nora® stair nosings

**T 5019/T 5033/T 5045/T 5005**

nora® Stair accessories



# nora® special range



# nora® nTx

## The new generation flooring system

nora® nTx is a new and unique technology for professional installers to lay nora® rubber flooring systems. Because the powerful adhesive is factory-fitted, nora® nTx is as simple as it is ingenious. In a few simple steps, the flooring can be cleanly and safely installed and used immediately. It can be laid on all common concrete or cement screed surfaces, as well as directly on top of existing floorings. Even high levels of residual moisture in the screed are no problem for nora® nTx.

nora also offers a comprehensive range of installation materials and tools to ensure clean and safe substrate preparation (see from page 62).

## The advantages at a glance:



### Reliable installation result

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



### Immediate usability

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



### High efficiency

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



### For all types of subfloors

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



### Use with residual moisture

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



### Covering-over-covering installation

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

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

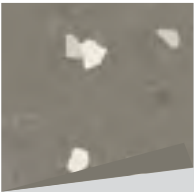


Available designs with noraplan® nTx

**noraplan® signa nTx**



7031



7033

**noraplan® signa nTx**

Art. 181C

~1.22 m x 15.0 m

~2.1 mm



7051



7055

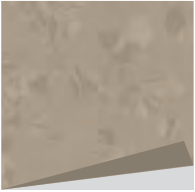


7065

**noraplan® sentica nTx**



6505



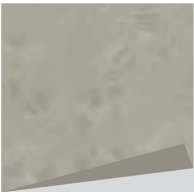
6506

**noraplan® sentica nTx**

Art. 182C

~1.22 m x 15.0 m

~2.1 mm



6520



6522



6517

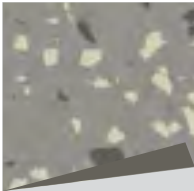
Please note: Further details on nora® nTx can be obtained at [www.nora.com](http://www.nora.com) or on request.

Available designs with norament® nTx

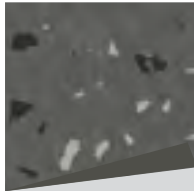
**norament® 926 grano nTx**



5302



5303



5304

**norament® 926 grano nTx**

Art. 3111

~1004 mm x 1004 mm

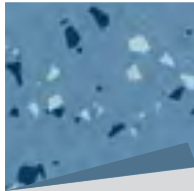
~3.6 mm



5305



5306



5318

**norament® 926 satura nTx**



5106



5102

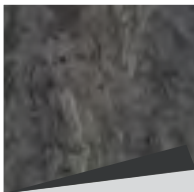
**norament® 926 satura nTx**

Art. 3111

~1004 mm x 1004 mm

~3.6 mm

**norament® 926 arago nTx**



5172



5177

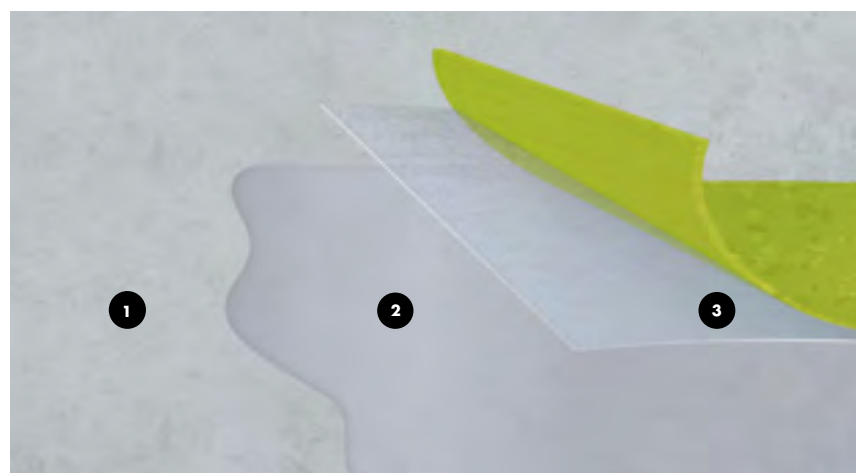
**norament® 926 arago nTx**

Art. 3122

~1004 mm x 502 mm

~3.6 mm

## The system configuration



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. In June of 2016, nora® nTx was awarded the “Plus X Award” in the “High Quality and Functionality” category.



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

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



nora® install

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

Compared to conventional wet bonding, it is possible to **avoid multiple work steps** and thus **error sources**, for example the application of the adhesive, **as well as drying and waiting times.**



## nora® nTx installation materials

nora® nTx installation materials have been developed specifically for the nora® nTx floor coverings. The perfect matching between each installation material and the nora® nTx floor coverings provides functional reliability and ensures the highest standards of quality. Moreover, all nora® nTx installation materials can be applied to subsurfaces with higher residual moisture levels.

**nora® nTx 020**

1 C primer (Bonding agent)

**Art. 6684**

Primer for improved adhesion

## nora® nTx tools

**nora® nTx sanding disc incl nTx K3**

Sanding disc for preparing substrates

**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

**nora® nTx K3**

Sanding tool (fine)

**Art. 6686**

Sanding tool for nTx sanding disc

**nora® nTx K2**

Sanding tool (coarse)

**Art. 6687**

Sanding tool for nTx sanding disc



Sanding discs



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 Emission EC1+ 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

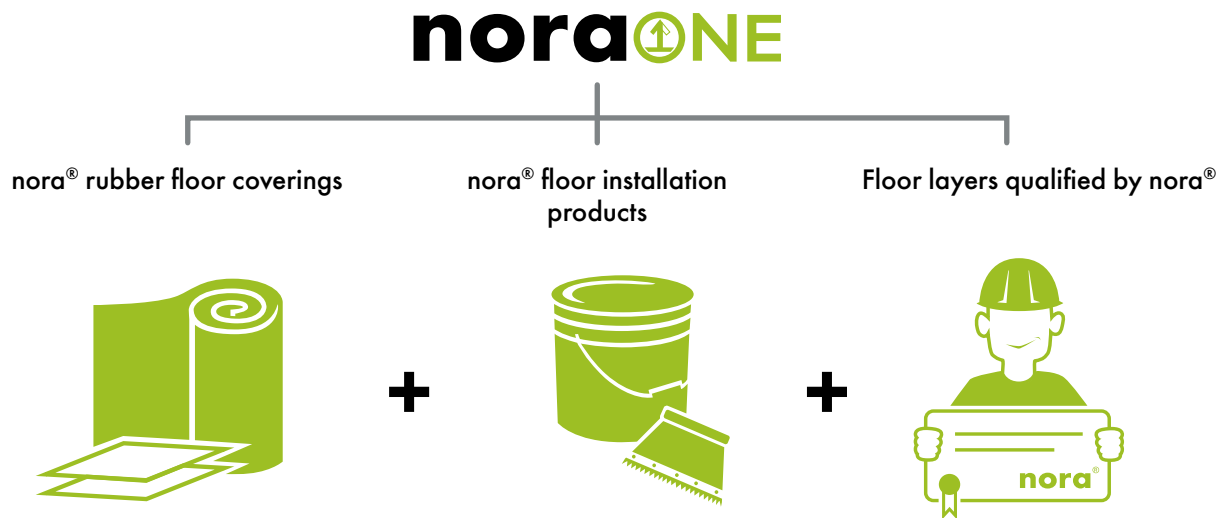
- Extended warranty period of eight years on the entire system
- Improved interior environment for long-term retention of property value



### Healthy indoor air

- Low emissions
- No harmful interactions between the individual components
- Awarded Indoor Air Comfort Gold, Greenguard Gold and Emission EC1+ certificates

# Overview of system components



## Certified complete system with extended warranty

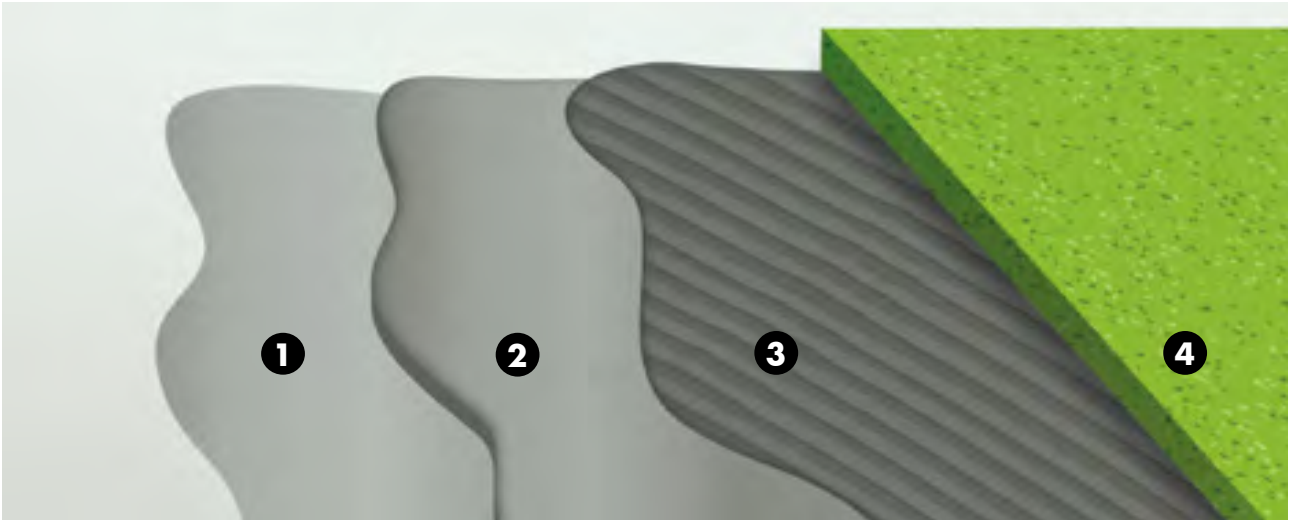
Our system has been awarded Indoor Air Comfort Gold and Greenguard Gold certificates and achieved positive test results from Polymer Service GmbH Merseburg. This enables us to grant our customers an extended warranty period of eight years on the nora® one complete system.



Details of the certified products are available at [www.nora.com](http://www.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.

### Primers:

nora® PRP 101	– Special primer for absorbent subfloors	Art. 6699
nora® PRN 102	– Special primer for non-absorbent subfloors	Art. 6700
nora® DPM 100	– 2-C epoxy resin primer	Art. 6701

### Leveling compounds:

nora® L 1000	– High-performance self-leveling leveling compound	Art. 6697
nora® SF 1001	– Thixotropic leveling compound	Art. 6698
nora® fibers	– Fiber reinforcement for self-leveling leveling compound	Art. 6654

### Adhesives:

nora® AC 100	– Dispersion adhesive	Art. 6694
nora® ED 120	– Conductive fiber-reinforced dispersion adhesive	Art. 6695
nora® PU 102	– 2-C polyurethane adhesive	Art. 6696

**noraONE**



# 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 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

 24\*  
**SA 7002 A**  
 24\*  
**SA 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

 24\*  
**S 3003 A**  
 24\*  
**S 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

 24\*  
**SI 7001 A**  
 24\*  
**SI 7001 D**  
 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® skirtings

### 4 S 1024 U Height 100 mm

 69\*  
**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

### 5 S 1023 U Height 60 mm

 127\*  
**S 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

### 6 S 1008 U Height 50 mm

 35\*  
**S 1008 U**

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

**Art. 705**

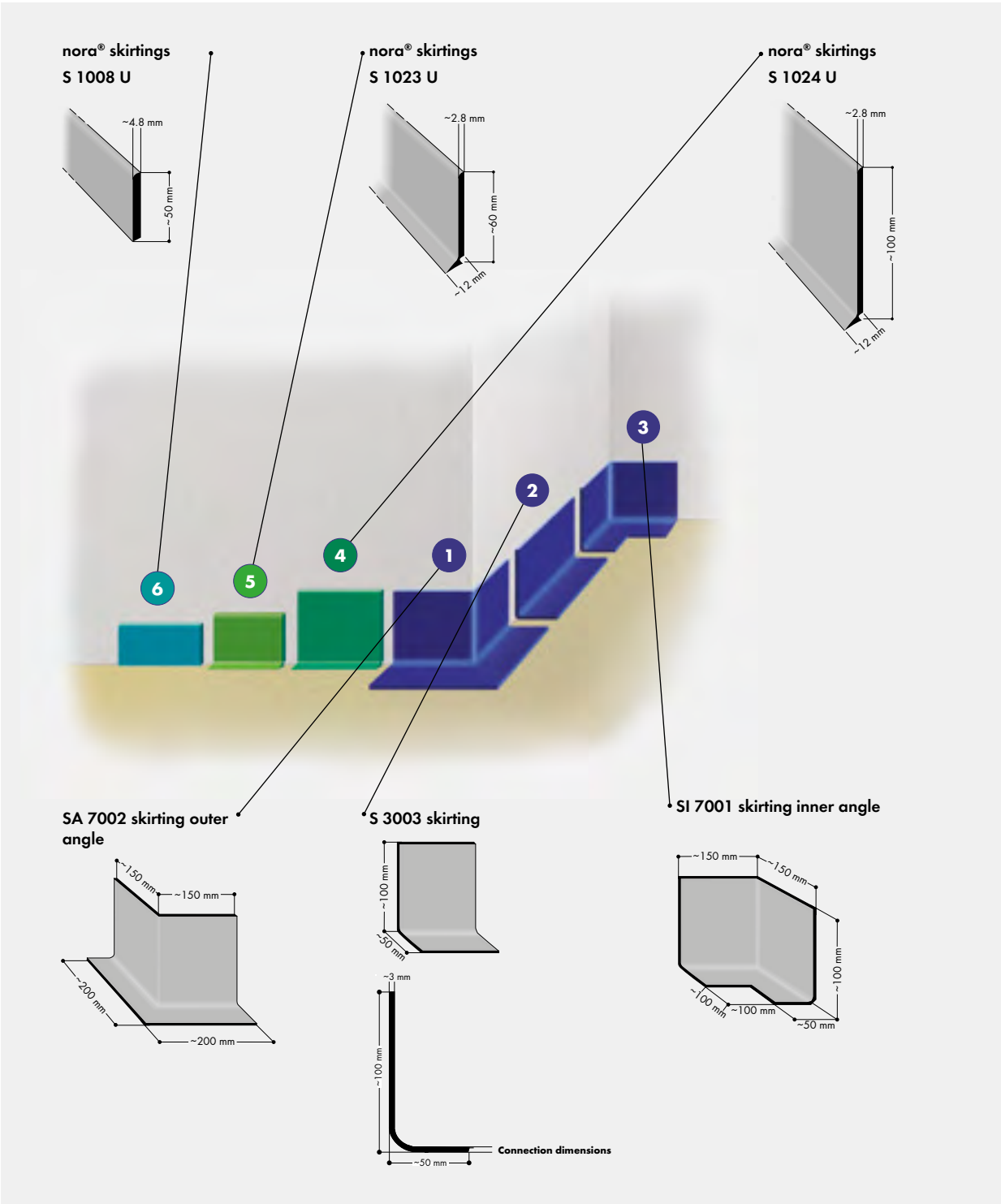
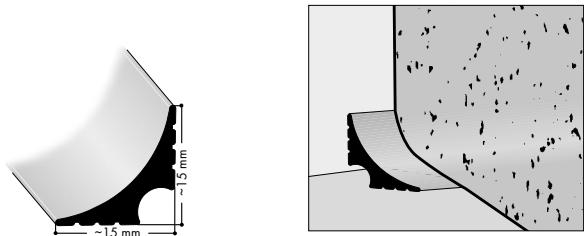
Delivery unit: in rolls of 10 r.m.

\*Further colours on request

# nora® cushioned-edge profile

**H 9010**  
For optimum transition between the  
noraplan® floor coverings and the wall.

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



## Skirting, S 1023 U

0007	1385	2446	4877	5321	6505	6517	6598	6711	6726	7051
0319	1581	2454	5109	5325	6506	6518	6604	6712	6728	7052
0702	1862	2457	5114	5329	6507	6519	6606	6713	6731	7065
0716	2078	2491	5115	6173	6508	6522	6607	6714	6915	7066
0749	2098	2635	5121	6178	6509	6523	6608	6715	6917	7067
0882	2099	2666	5122	6446	6510	6525	6609	6717	6920	7072
0884	2143	2925	5128	6448	6511	6528	6611	6719	6921	7076
1146	2144	2944	5301	6451	6512	6529	6612	6721	6922	
1150	2380	2946	5304	6500	6513	6530	6616	6722	7033	
1162	2382	2949	5306	6501	6514	6532	6708	6723	7044	
1279	2402	2950	5317	6503	6515	6536	6709	6724	7047	
1362	2409	4618	5318	6504	6516	6537	6710	6725	7049	

## Skirting, S 1024 U

0007	1146	2382	2949	5317	6178	6509	6515	6523	6536	7051
0319	1150	2383	2950	5318	6501	6510	6516	6525	6537	7052
0702	1279	2666	4877	5321	6503	6511	6517	6528	7033	7065
0716	1385	2925	5301	5325	6506	6512	6518	6529	7044	7066
0749	1581	2931	5304	5329	6507	6513	6519	6530	7047	7067
0882	1862	2944	5306	6173	6508	6514	6522	6532	7049	7076
0884	2099	2946								

## Skirting, S 1008 U

0007	0716	0884	2681	5107	5114	5118	5129	5303	5314	5318
0214	0733	0890	2786	5108	5115	5121	5301	5304	5315	5325
0319	0749	2074	5103	5110	5116	5127	5302	5313	5317	5329
0702	0882									

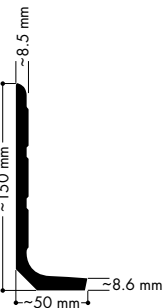
# nora® special range

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

Delivery units and 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



## 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 norament® and noraplan® floor coverings.  
Suitable for new buildings and renovations. Advantages: 5 times as quick, can be walked on immediately, odourless, economic, eco-compatible and reliable.

Art. 6556

## 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

## nora® profix · Dry adhesive tapes

### nora® profix 50

For quick installation of skirting S 1023 U.

Art. 992

### nora® 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. 993

Skirtings, S 3003 A/S 3003 D

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

0882	2944	6509	6513	6517	6530	7033	7044	7052	7065	7067
2099	6504	6512	6516	6529	7031	7035	7051	7056	7066	7076
2382	6508									

Skirtings, S 3003 E

Skirting inner angle, SA 7002 E/SI 7001 E

5301	5304	5306	5317	5318	5321	5325	5329
------	------	------	------	------	------	------	------

Joint sealing compound

0007	1585	5106	5122	5306	6444	6508	6524/7039	6613/1385	7049	7065
0131	2078	5107	5123/6513	5310	6446	6509	6525/7040	6615/2961	7050/2787	7066
0702	2102/2947	5108	5124	5311	6448	6510	6526/2666	7031/6708	7051/2897	7067
0716/5308	2106/2752	5109	5125	5313	6449	6511	6527/7042	7032/2781	7052	7068
0733	2306/0716	5110	5126	5314	6451	6512	6528	7033	7053	7069
0749	2398/2959	5111/5307	5127	5315	6452	6513	6529	7034	7054	7070
0866	2635/2961	5112	5128	5317	6453/6385	6514	6530	7036/2382	7055/2944	7071
0882	2666	5113	5129	5318	6457	6515	6531/4877	7037/2931	7056/2946	7072
0884	2786	5114	5130/6535	5319	6500	6516	6532	7038/2932	7057	7073
1146/1253	2951	5115	5131	5321	6501	6517	6533/2962	7041/2666	7058	7074
1150/1254	4654	5116	5132	5325	6502	6518	6534	7043	7059	7075
1279	5101	5117	5301/7035	5329	6503	6519	6535	7044	7060	7076
1385	5102/2786	5118	5302	6172/2681	6504	6520	6536	7045/2940	7061	7077
1578	5103	5119	5303	6178/6502	6505	6521/0882	6537	7046/2142	7062	7078/0716
1581	5104	5120	5304	6442	6506	6522/2226	6601/1254	7047	7063	
1582	5105	5121	5305/1254	6443	6507	6523	6603/2940	7048	7064	

# nora® hot welding rod for noraplan®

Can be delivered in all colours to match the noraplan® floor covering colours.

Because noraplan® floor coverings do not contain any plasticizers, there is no shrinkage after installation. This is why the floorings do not have to be sealed. Only noraplan® acoustic floorings have to be sealed with the nora® hot welding rod. For the 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 on other small noraplan® surfaces the vertical joints of the skirtings are sealed with nora® joint sealing compound

## Art. 946

Round, Ø 4 mm, rolls of 100 r.m.

# nora® joint sealing compound

Since norament® and noraplan® floor coverings do not contain any plasticizers, there is no shrinkage after installation. This is why, with the exception of electrostatically dissipative noraplan® ed floorings, the floorings does not need to be sealed. It is, however, advisable to seal the joints in case of moisture-sensitive subfloors, in rooms permanently undergoing intensive wet cleaning or in areas with special hygienic requirements. For these special requirements, the sealing of all norament® and noraplan® floorings is suitable.

## Art. 928

300 ml cartridge

1 disposable cartridge, sufficient for 20-25 r.m.

Please note: Joint cutter (art. no. 116950) and nora® liquid wax (art. no. 109914) may be ordered from our company.



# nora® pads

nora® pads are suitable for daily cleaning and intensive cleaning on extremely soiled nora® 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.



## Art. 6688

<b>nora® pad 0 – 10"</b>		Ø 254 mm	delivery unit: 4 pieces in one carton
<b>nora® pad 0 – 13"</b>	<b>nora® Pad 0</b> for the cleaning with machines for structured noraplan® floor coverings and noraplan® uni, noraplan® unita as well noraplan® ultra grip:	Ø 330 mm	delivery unit: 4 pieces in one carton
<b>nora® pad 0 – 14"</b>		Ø 356 mm	delivery unit: 4 pieces in one carton
<b>nora® pad 0 – 16"</b>		Ø 406 mm	delivery unit: 4 pieces in one carton
<b>nora® pad 0 – 17"</b>		Ø 431 mm	delivery unit: 1 or 4 pieces in one carton
<b>nora® pad 0 – 20"</b>		Ø 508 mm	delivery unit: 1 or 4 pieces in one carton

## Art. 6627

<b>nora® pad 1 – 10"</b>		Ø 254 mm	delivery unit: 4 pieces in one carton
<b>nora® pad 1 – 13"</b>	<b>nora® Pad 1</b> for polishing cleaned floor coverings with a high speed machine for structured noraplan® floor coverings and noraplan® uni, noraplan® unita, and noraplan® ultra grip:	Ø 330 mm	delivery unit: 4 pieces in one carton
<b>nora® pad 1 – 14"</b>		Ø 356 mm	delivery unit: 4 pieces in one carton
<b>nora® pad 1 – 16"</b>		Ø 406 mm	delivery unit: 4 pieces in one carton
<b>nora® pad 1 – 17"</b>		Ø 431 mm	delivery unit: 1 or 4 pieces in one carton
<b>nora® pad 1 – 20"</b>		Ø 508 mm	delivery unit: 1 or 4 pieces in one carton

## Art. 6628

<b>nora® pad 2 – 17"</b>	<b>nora® Pad 2</b> 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

<b>nora® pad 3 – 17"</b>	<b>nora® Pad 3</b> for intensive cleaning of heavily soiled and scratched floor coverings 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 piece in one carton
--------------------------	--	----------	--------------------------------------



# Vibrant architecture 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 1.2 x 1.6 metres, fully assembled and ready for laying. For large-sized inlays, we provide the floor layer with detailed laying plans.



There are no limits to individuality at nora®



noraplan® signa



norament® 926 satura



norament® 926 grano



noraplan® sentica



norament® 926 grano



noraplan® sentica



	Test method	Requirements	Average test results from running production			
			926	926 grano 926 satira 926 arago	825	992 992 grano
<b>CE conformity</b>	<b>EN 14 041</b>		<b>Manufacturer: nora systems GmbH, D-69469 Weinheim</b>			
DoP-No.	EN 14 041		0021		0004	0023
Thermal conductivity	EN 10 456	$\lambda = 0.17 \text{ W/(m·K)}$	Fulfilled			
Dynamic coefficient of friction	EN 13 893	DS	Suitable for underfloor heating systems			
Reaction to fire	EN 13 501-1	Not bonded	Fulfilled			
Reaction to fire	EN 13 501-1	Bonded on mineral subfloor	C <sub>f</sub> s1	C <sub>f</sub> s1	C <sub>f</sub> s1	C <sub>f</sub> s2
<b>Properties acc. to EN 1817/EN 12 199</b>						
Thickness	EN ISO 24 346	Mean value $\pm 0.20 \text{ mm}$ according to EN 12 199	4 mm		3.2 mm	9 mm (Art. 1956)
		Mean value $\pm 0.15 \text{ mm}$ according to EN 1817		3.5 mm		9 mm (Art. 1955)
Dimensional stability	EN ISO 23 999	$\pm 0.4 \%$	$\pm 0.3 \%$			
Tear strength	ISO 34-1, method B, procedure A	Mean value $\geq 20 \text{ N/mm}$	35 N/mm	35 N/mm	30 N/mm	40 N/mm
Cigarette-burn resistance	EN 1399	Procedure A (stubbled out) $\geq$ level 4 Procedure B (burning) $\geq$ level 3	Fulfilled			
Flexibility	EN ISO 24 344, procedure A	Mandrel diameter 20 mm, no fissuring	Fulfilled			
Hardness	ISO 7619	$\geq 70 \text{ Shore A}$ (EN 12 199) $\geq 75 \text{ Shore A}$ (EN 1817)	82 Shore A	82 Shore A	87 Shore A	70 Shore A
Residual indentation	EN ISO 24 343	Mean value $\leq 0.25 \text{ mm}$ at thickness $\geq 3.0 \text{ mm}$ Mean value $\leq 0.20 \text{ mm}$ at thickness $< 3.0 \text{ mm}$	0.15 mm	0.15 mm	0.15 mm	0.30 mm
Abrasion resistance at 5 N load	ISO 4649, procedure A	$\leq 250 \text{ mm}^3$	115 mm <sup>3</sup>	115 mm <sup>3</sup>	130 mm <sup>3</sup>	90 mm <sup>3</sup>
Colour fastness to artificial light	ISO 105-B02, procedure 3, test conditions 6.1 a)	At least level 6 on the blue scale; $\geq$ level 3 on the grey scale (= 350 MJ/m <sup>2</sup> )	Grey scale $\geq$ level 3 acc. to ISO 105-A02			
Classification	EN ISO 10 874	Residential/Commercial/Industrial	23/34/43	23/34/43	23/32/41	23/34/43
<b>Additional technical properties</b>						
Toxicity of fire gases	DIN 53 436		Carbonisation gases are non-toxic		-	-
Anti-slip properties	DIN 51 130	According to BGR 181	R 9	R 9 926 grano/Art. 1880 = R 9 926 grano/Art. 1870 = R 10 arago = R 10	R 9	R 9
	DIN 51 097		A	926 grano/Art. 1870 = A, B arago = A, B	-	-
Improvement in footfall sound absorption	ISO 10 140-3		12 dB	10 dB	9 dB	15 dB
Effect of chemicals	EN ISO 26 987		Resistant depending on concentration and time of exposure*			
Electrical insulation properties	IEC 60 093, VDE 0303 T.30		$> 10^{10} \text{ Ohm}$			
Electrical propensity when walked upon	EN 1815		Antistatic, charging in case of rubber soles $< 2 \text{ kV}$			
Effect of a castor chair	EN 425		Suitable if castor wheels, type W, according to EN 12 529 are used			

\* In case of increased impact of oils, grease, acids, alkalis and other aggressive chemicals please contact us.

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

EN 12 199: Specification for homogeneous and heterogeneous profiled elastomer floor coverings

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

## noraplan®

	Test method	Requirements	Average test results from running production					
			uni 2.0 mm	eco 2.0 mm sentica 2.0 mm signa 2.0 mm stone 2.0 mm valua 2.0 mm lona 2.0 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
<b>CE conformity</b>	<b>EN 14 041</b>		Manufacturer: nora systems GmbH, D-69469 Weinheim					
DoP-No.	EN 14 041		0018	0016	0010	0016	0017	
Thermal conductivity	EN 10 456	$\lambda = 0.17 \text{ W/(m·K)}$	Fulfilled					
Dynamic coefficient of friction	EN 13 893	DS	Fulfilled					
Reaction to fire	EN 13 501-1	Not bonded	B <sub>f</sub> s1	B <sub>f</sub> s1, bonded	C <sub>f</sub> s1	B <sub>f</sub> s1, bonded	C <sub>f</sub> s1	
Reaction to fire	EN 13 501-1	Bonded on mineral subfloor	B <sub>f</sub> s1	B <sub>f</sub> s1	C <sub>f</sub> s1	B <sub>f</sub> s1	B <sub>f</sub> s1	
<b>Properties acc. to EN 1817/EN 1816</b>								
Thickness	EN ISO 24 346	Mean value without foam backing $\pm 0.15 \text{ mm}$	2.0 mm	2.0 mm	2.0 mm	3.0 mm	-	
		Mean value with foam backing $\pm 0.20 \text{ mm}$	-	-	-	-	4.0 mm	
Dimensional stability	EN ISO 23 999	$\pm 0.4 \%$	$\pm 0.3 \%$					
Cigarette-burn resistance	EN 1399	Procedure A (stubbed out) level $\geq 4$ Procedure B (burning) level $\geq 3$	Fulfilled					
Flexibility	EN ISO 24 344, procedure A	Mandrel diameter 20 mm, no fissuring	Fulfilled		Not fulfilled	Fulfilled	-	Fulfilled
Hardness	ISO 7619	$\geq 75 \text{ Shore A}$	94 Shore A	92 Shore A	92 Shore A	92 Shore A	85 Shore A	
Residual indentation	EN ISO 24 343	Mean value $\leq 0.15 \text{ mm}$ at thickness $< 2.5 \text{ mm}$	0.05 mm	0.05 mm	0.05 mm	-	-	
		Mean value $\leq 0.20 \text{ mm}$ at thickness $\geq 2.5 \text{ mm}$	-	-	-	0.05 mm	-	
		acoustic: Mean value $\leq 0.25 \text{ mm}$	-	-	-	-	0.25 mm	
Abrasion resistance at 5 N load	ISO 4649, procedure A	$\leq 250 \text{ mm}^3$	130 mm <sup>3</sup>	150 mm <sup>3</sup>	90 mm <sup>3</sup>	150 mm <sup>3</sup>	130 mm <sup>3</sup>	
Colour fastness to artificial light	ISO 105-B02, procedure 3, test conditions 6.1 a)	At least level 6 on the blue scale; $\geq$ level 3 on the grey scale (= 350 MJ/m <sup>2</sup> )	Grey scale $\geq$ level 3 acc. to ISO 105-A02					
Classification	EN ISO 10 874	Residential/Commercial/Industrial	23/34/42	23/34/42	23/34/42	23/34/43	23/33/-	
<b>Additional technical properties</b>								
Toxicity of fire gases	DIN 53 436		Carbonisation gases are non-toxic					
Anti-slip properties	DIN 51 130	According to BGR 181	R 9	stone Art. 149/249: R 10 Others: R 9	R 11	R 9	stone acoustic: R 10 Others: R 9	
	DIN 51 097		-	stone Art. 149/249: A; B	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 10 140-3		6 dB	6 dB	7 dB	8 dB	20 dB	
Effect of chemicals	EN ISO 26 987		Resistant depending on concentration and time of exposure*					
Electrical insulation properties	IEC 60 093, VDE 0303 T.30		$> 10^{10} \text{ Ohm}$					
Electrical propensity when walked upon	EN 1815		Antistatic, charging in case of rubber soles $< 2 \text{ kV}$					
Effect of a castor chair	EN 425		Suitable if castor wheels, type W, according to EN 12 529 are used					

\* In case of increased impact of oils, grease, 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<sup>®</sup> nTx

	Test method	Requirements	Average test results from running production			
			noraplan®	noraplan®	noraplan®	norament®
			eo nTx** senitica nTx signa nTx stone nTx** unita nTx** valua nTx** lona nTx**	uni nTx**	ultra grip nTx**	926 grano nTx 926 satura nTx 926 arago nTx
CE conformity	EN 14 041		Manufacturer: nora systems GmbH, D-69469 Weinheim			
DoP-No.	EN 14 041		0027	0028	0029	0031
Thermal conductivity	EN 10 456	λ = 0.17 W/(m·K)	Fulfilled			
Dynamic coefficient of friction	EN 13 893	DS	Fulfilled			
Reaction to fire	EN 13 501-1		C <sub>s</sub> -s1, bonded	B <sub>s</sub> -s1, bonded	C <sub>s</sub> -s1, bonded	C <sub>s</sub> -s1, bonded
Properties acc. to EN 1817						
Thickness	EN ISO 24 346	Mean value ± 0.15 mm according to EN 1817	2.1 mm or 3.1 mm**	2.1 mm	2.1 mm	3.6 mm
Dimensional stability	EN ISO 23 999	± 0.4 %	± 0.3 %			
Cigarette-burn resistance	EN 1399	Procedure A (stubbed out) ≥ level 4 Procedure B (burning) ≥ level 3	Fulfilled			
Flexibility	EN ISO 24 344, procedure A	Mandrel diameter 20 mm, no fissuring	Fulfilled (Exception: unita nTx)	Fulfilled		
Hardness	ISO 7619	≥ 75 Shore A	92 Shore A	94 Shore A	92 Shore A	82 Shore A
Residual indentation	EN ISO 24 343	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 ≤ 0.20 mm at thickness < 3.0 mm	0.11 mm	0.10 mm	0.15 mm	0.24 mm
Abrasion resistance at 5 N load	ISO 4649, procedure A	≤ 250 mm³	150 mm³	130 mm³	90 mm³	115 mm³
Colour fastness to artificial light	ISO 105-B02, procedure 3, test conditions 6.1 a)	At least 6 on the blue scale, ≥ 3 on the grey scale (= 350 MJ /m²)	Grey scale ≥ 3 acc. to ISO 105-A02			
Additional technical properties						
Weight	EN ISO 23 997		2.1 mm: ~ 3.36 kg/m² 3.1 mm: ~ 5.08 kg/m²	~ 3.55 kg/m²	~ 3.30 kg/m²	~ 5.40 kg/m²
Tear strength	ISO 34-1, method B, procedure A		n. a.	n. a.	n. a.	35 N/mm
Slip resistance	DIN 51 130		R 9* R 10* (reflection-breaking surface)	R 9*	R 11*	R 9* R 10* (arago nTx)
Improvement in footfall sound absorption	ISO 10 140-3		2.1 mm: 3 dB 3.1 mm: 4 dB	3 dB	3 dB	8 dB
Effect of chemicals	EN ISO 26 987	Depending on concentration and time of exposure	Resistant <sup>(A)</sup>			
Electrostatic behaviour when being walked on	EN 1815		Antistatic, charging in case of rubber soles < 2 kV			
Effect of a castor chair	EN 425		Suitable if castor wheels, type W, according to EN 12 529 are used			
Fire behaviour/smoke behaviour						
Fulfills the requirements						
Fire behaviour	EN 13 501-1		C <sub>s</sub> -s1, bonded	B <sub>s</sub> -s1, bonded	C <sub>s</sub> -s1, bonded	C <sub>s</sub> -s1, bonded
	EN 45 545	Hazard Level	HL1*	n. a.		
Fire behaviour	ASTM E-648 / ISO 9239-1	Federal Railroad Administration	Class 1 (≥ 0.50 W/cm²)*	n. a.		
Smoke density	ASTM E-662		After 1.5 minutes < 100, after 4 minutes < 200*	n. a.		
Adhesive characteristics						
Description			Pressure-sensitive hot melt adhesive			
Density			approx. 0.92 g/cm³			
Softening range	Kofler bench		approx. 105 °C			
Viscosity			45,000 mPas at 170 °C till 13,000 mPas at 190 °C			
Solid body content			87 %			
VOC			0 %			

\* Tested and certified by an independent testing institute.

\*\* Minimum quantities required.

<sup>(A)</sup> 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<sup>®</sup> ESD floor coverings

	Test method	Requirements	Average test results from running production				
			norament®		noraplan®		
			928 grano ed	927 grano ec	senitica ed 2.0 mm signa ed 2.0 mm stone ed 2.0 mm	senitica ed 3.0 mm signa ed 3.0 mm	astro ec
CE conformity	EN 14 041		Manufacturer: nora systems GmbH, D-69469 Weinheim				
DoP-No.	EN 14 041		0005	0022	0001	0001	0036
Thermal conductivity	EN 10 456	λ = 0.17 W/(m·K)	Fulfilled				
			Suitable for underfloor heating systems				
Dynamic coefficient of friction	EN 13 893	DS	Fulfilled				
Electrical behaviour	EN 1081	ed ≤ 10 <sup>9</sup> Ohm	Fulfilled		Fulfilled		
		ec ≤ 10 <sup>9</sup> Ohm		Fulfilled		Fulfilled	
Reaction to fire	EN 13 501-1	Not bonded	C <sub>f</sub> s1, bonded	C <sub>f</sub> s2	C <sub>f</sub> s1		
Reaction to fire	EN 13 501-1	Bonded on mineral subfloor	C <sub>f</sub> s1	C <sub>f</sub> s1	B <sub>f</sub> s1		C <sub>f</sub> s1
Properties acc. to EN 1817							
Thickness	EN ISO 24 346	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 23 999	± 0.4 %	± 0.3 %				
Tear strength	ISO 34-1, method B, procedure A	Mean value ≥ 20 N/mm	45 N/mm	30 N/mm	-		
Cigarette-burn resistance	EN 1399	Procedure A (stubb ed out) ≥ level 4 Procedure B (burning) ≥ level 3	Fulfilled				
Flexibility	EN ISO 24 344, procedure A	Mandrel diameter 20 mm, no fissuring	Fulfilled			-	Fulfilled
Hardness	ISO 7619	≥ 75 Shore A (EN 1817)	84 Shore A	90 Shore A	95 Shore A		
Residual indentation	EN ISO 24 343	Mean value ≤ 0.15 mm at thickness < 2.5 mm Mean value ≤ 0.20 mm at thickness ≥ 2.5 mm	-		0.05 mm		
		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 mm <sup>3</sup>	80 mm <sup>3</sup>	70 mm <sup>3</sup>	150 mm <sup>3</sup>		150 mm <sup>3</sup>
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 (= 350 MJ/m <sup>2</sup> )	Grey scale ≥ level 3 acc. to ISO 105-A02				
Classification	EN ISO 10 874	Residential/Commercial/Industrial	23/34/43		23/34/42	23/34/43	23/34/42
Additional technical properties							
Toxicity of fire gases	DIN 53 436		Carbonisation gases are non-toxic	-	Carbonisation gases are non-toxic		
Anti-slip properties	DIN 51 130	According to BGR 181	R 9		stone ed: R 10 Others: R 9		R 9
Improvement in footfall sound absorption	ISO 10 140-3		10 dB	10 dB	6 dB	7 dB	6 dB
Effect of chemicals	EN ISO 26 987		Resistant depending on concentration and time of exposure*				
Effect of a castor chair	EN 425		Suitable if castor wheels, type W, according to EN 12 529 are used				
Electrical behaviour**							
Resistance to EPA ground	ESD STM 7.1/ IEC 61 340-4-1	Measuring the installed floor at 23 °C (± 2 °C) and ≥ 25 % r.h.	10 <sup>6</sup> - 9 x 10 <sup>7</sup> Ohm	< 10 <sup>6</sup> Ohm	10 <sup>6</sup> - 9 x 10 <sup>7</sup> Ohm		< 10 <sup>6</sup> Ohm
		Measuring the installed floor at 23 °C (± 2 °C) and < 25 % r.h., installed on an appropriate subfloor build up	10 <sup>6</sup> - 10 <sup>9</sup> Ohm***	< 10 <sup>6</sup> Ohm	10 <sup>6</sup> - 10 <sup>9</sup> Ohm***		< 10 <sup>6</sup> Ohm
Operator system - Resistance to ground	ESD STM 97.1/ IEC 61 340-4-5	For the system floor/conductive footwear (R < 5 x 10 <sup>6</sup> Ohm) measuring the installed floor at 23 °C (± 2 °C) and ≥ 25 % r.h.	≤ 3.5 x 10 <sup>7</sup> Ohm	< 3.5 x 10 <sup>7</sup> Ohm	≤ 3.5 x 10 <sup>7</sup> Ohm		< 3.5 x 10 <sup>7</sup> Ohm
Body voltage generation	ESD STM 97.2 IEC 61 340-4-5	Tested with defined conductive footwear with 23 °C and 12 % r.h.	< 10 V				
Resistance to earth	EN 1081		10 <sup>6</sup> - 9 x 10 <sup>7</sup> Ohm	< 10 <sup>6</sup> Ohm	10 <sup>6</sup> - 9 x 10 <sup>7</sup> Ohm		< 10 <sup>6</sup> Ohm
Insulation resistance	VDE 0100 - 600		≥ 1 x 10 <sup>5</sup> Ohm	-	≥ 5 x 10 <sup>4</sup> Ohm	≥ 1 x 10 <sup>5</sup> Ohm	-

\* In case of increased impact of oils, grease, acids, alkalis and other aggressive chemicals please contact us.

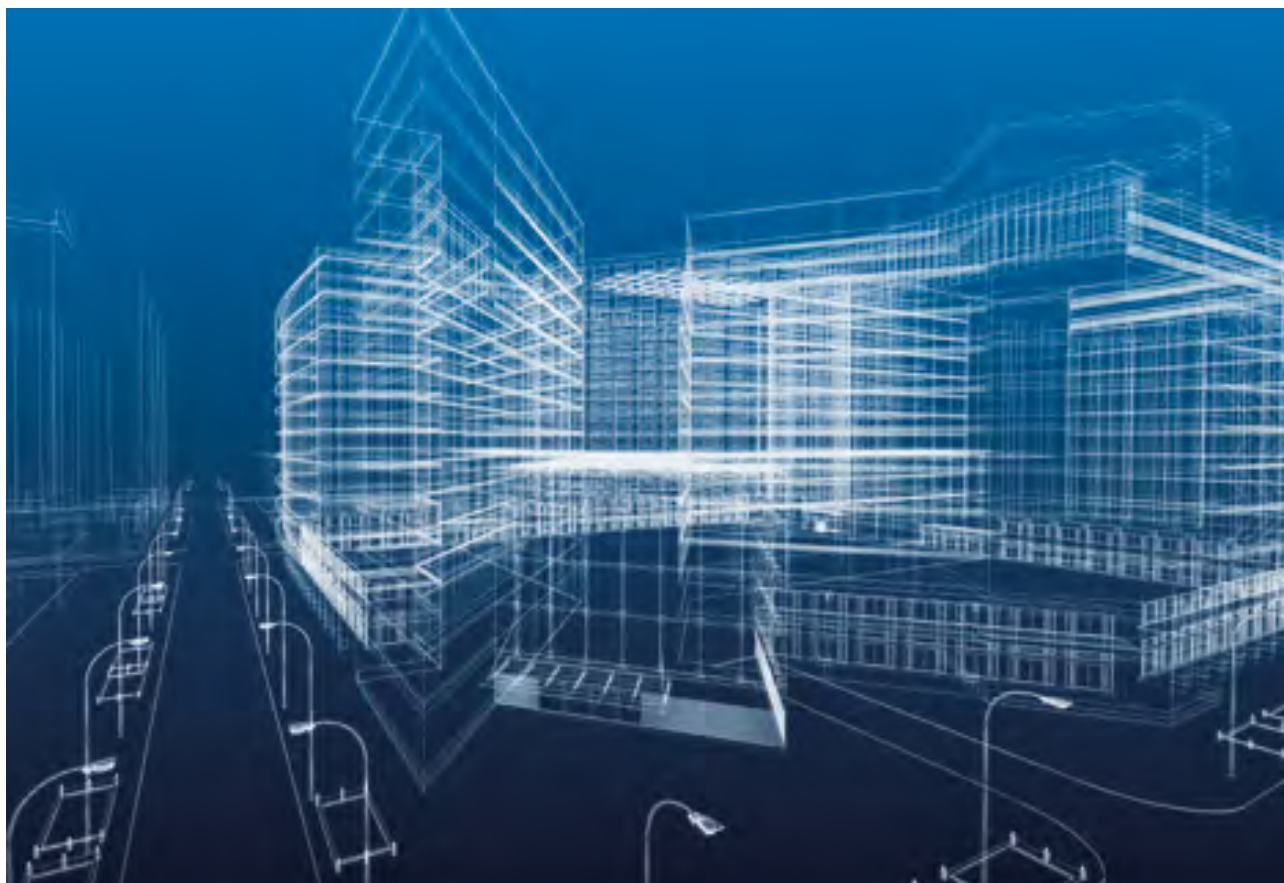
\*\* If installed electrically dissipative and conductive in conformity with our installation instruction and according to the recommendations of the adhesive manufacturer.

The used adhesive has to have a permanent resistance of  $R < 3 \times 10^5 \text{ Ohm}$  according to EN 13 415.

\*\*\* 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.

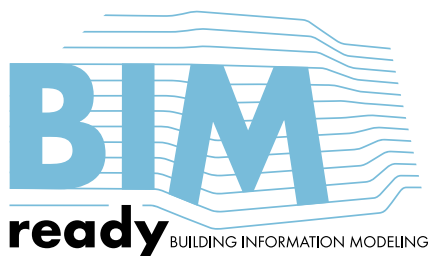
EN 1817: Specification for homogeneous and heterogeneous smooth elastomer floor coverings

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



## 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. In this way, a large amount of additional information, which is directly assigned to the installed materials, can be accessed quickly. 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. Each planner creates his own, trade-specific model, which is merged with the other individual models to finally represent the entire project.



Special IT programs are required for working with BIM. AUTODESK® Revit® and GRAPHISOFT® ArchiCAD are two of the leading software tools that can be used to implement BIM

planning and generate the virtual building model. For both programs, the files of norament and noraplan standard floor coverings that are required for planning are available for download on our website. In ArchiCAD, our norament stairtreads can also be taken into account during planning.

### Please note

norament® and noraplan® 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.

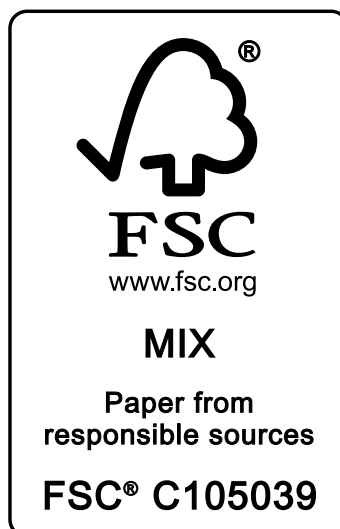
The particulars given in this brochure are for informational purposes only concerning the products presented. They represent descriptions or designations, but not any warranted qualities. This information cannot cover all possible service conditions which our floor coverings may encounter.

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.

This brochure as well as the pictures and illustrations it contains are subject to a copyright owned by nora systems GmbH, Weinheim, and may be used with its previous written approval only.

Printed on 100 % chlorine-free bleached paper.



**nora systems Shanghai Co. Ltd.**

10 A/B, Long Life Building | 1566 Yan'an Road West | 200052 Shanghai, PR China  
Phone: +86 21 - 3226 0077 | Fax: +86 21 - 5258 1958  
[www.nora.com/cn](http://www.nora.com/cn)

**nora systems GmbH (DMCC Branch)**

Office 3504, HDS Business Center | Cluster M | JLT | Dubai, UAE  
Phone: +971 (4) 450 8175  
Fax: +971 (4) 450 8374  
E-Mail: [info-mena@nora.com](mailto:info-mena@nora.com)  
[www.nora.com/corp](http://www.nora.com/corp)

**nora flooring systems UK Ltd.**

4-5 Allerton Road | Rugby CV23 0PA, Great Britain  
Direct Dial Number: (01788) 513 160  
Fax: (01788) 55 28 12  
E-Mail: [info-uk@nora.com](mailto:info-uk@nora.com)  
[www.nora.com/uk](http://www.nora.com/uk)

**nora systems GmbH**

Höhnerweg 2-4 | 69469 Weinheim, Germany  
Phone: +49 (0) 6201 - 80 66 33  
E-Mail: [info@nora.com](mailto:info@nora.com)  
[www.nora.com](http://www.nora.com)