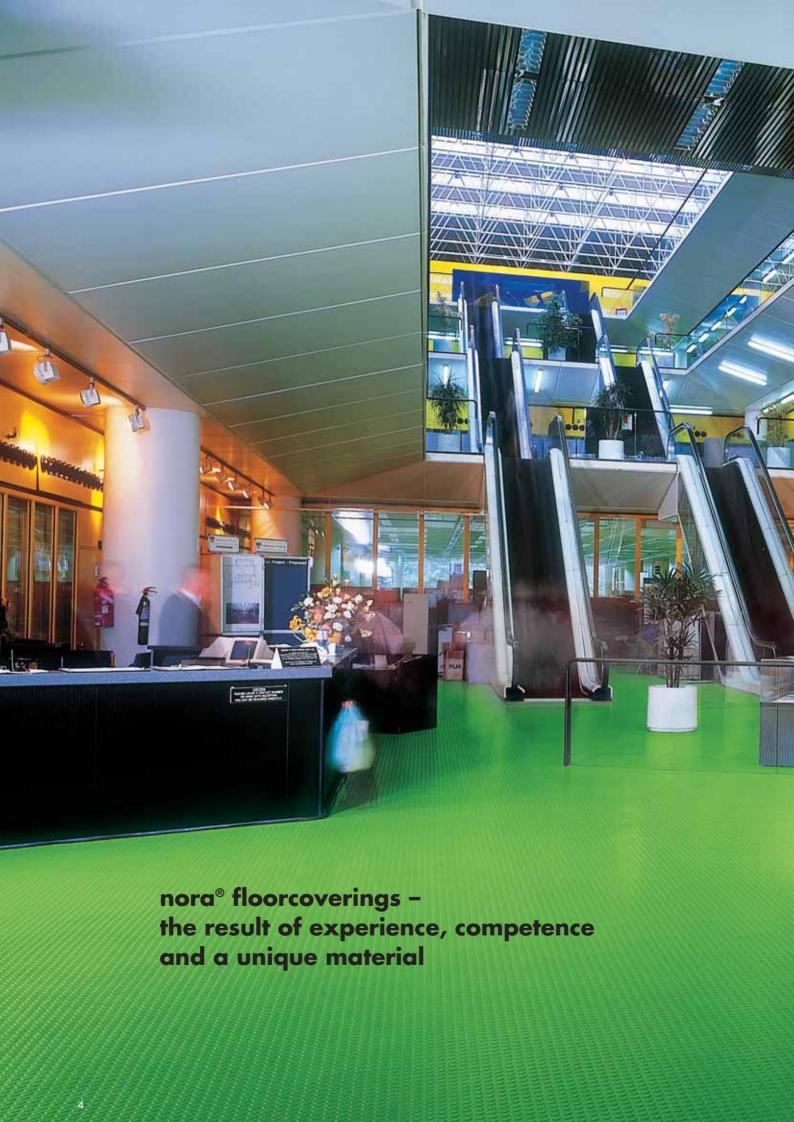
nora® floorcoverings made of rubber – leading worldwide

2006 assortment

Freudenberg









For over 50 years we have been relying on that fascinating material rubber. It is capable of resisting extreme long-term wear and is therefore exactly the right material for manufacturing top-quality floorcoverings. Constant innovation and great expertise are the result of decades of experience with rubber for the most varied of customer requirements and of close cooperation with architects and proces-

sors. Today we are the world's market leaders in rubber coverings and **nora**® floorcoverings have stood the test of time in numerous buildings in over 120 countries. For example in clinics, schools, nurseries, airports, office and administrative buildings, shops, fitness studios, industrial companies, residential buildings, buses, trains and ships.

nora® colour range



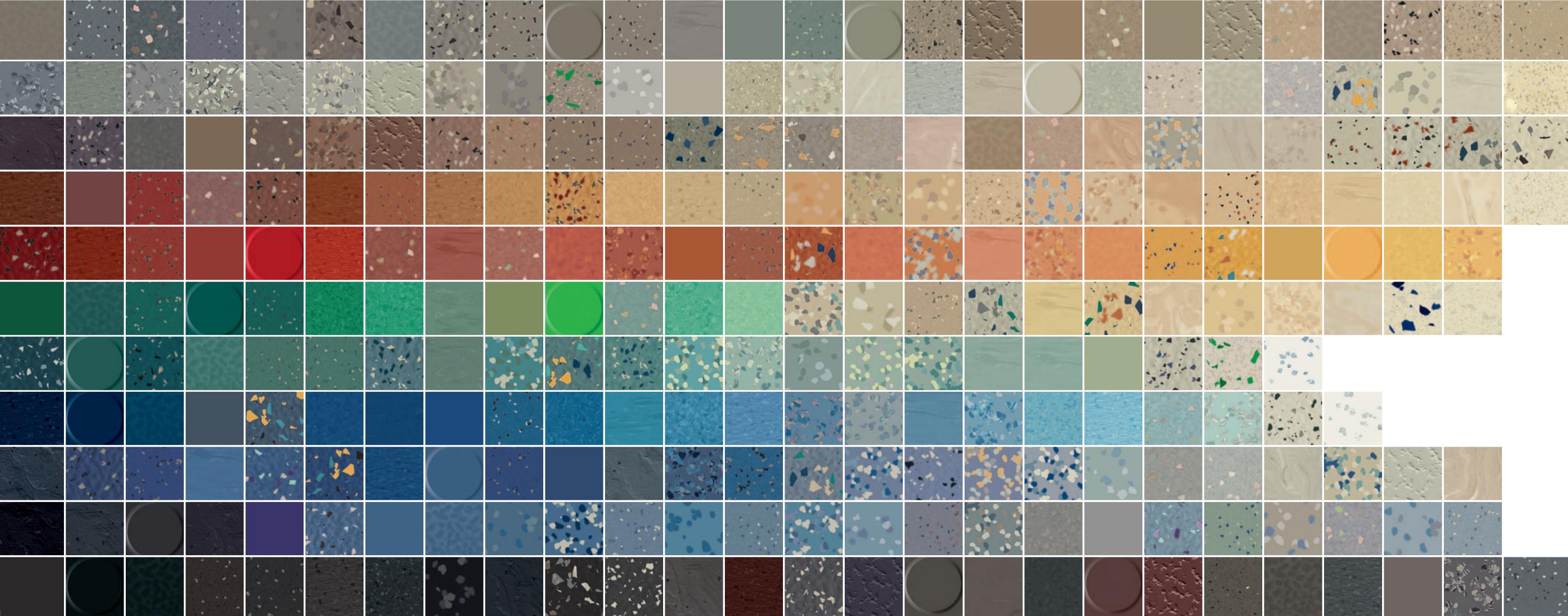


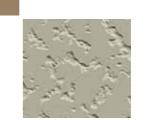


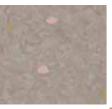




























Economic efficiency in finishing and use

nora® rubber floorings epitomize a reassuring

price-performance ratio.

Top quality, the fact that they are incredibly heavy-duty coverings and the practical finishing are decisive:

- extremely long useful lifetime and extraordinarily wear-resistance
- dimensional stability, therefore no joint-sealing necessary
- cost-efficient cleaning thanks to the extremely dense, unbroken surface no coating is necessary

Easy and safe installation due to:

- **■** commonly used tools
- work-friendly dimensions and weights
- very resilient and easy to cut material
- installation with eco-friendly process materials
- high footfall sound absorption, without any additional noise-absorbing measures being necessary
- sophisticated and comprehensive range of accessories rounded off by norament[®] stairtreads
- application consultancy and service support, including installation training courses

Exemplary eco-compatibility

Eco-friendly solutions are a declared corporate goal and have been put into effect for years:
Starting with the selection of raw materials all the way through development, production and use, right down to recycling and disposal. Our products are ready for the demands of the future.

- high-grade raw materials such as industrial and natural rubber qualities, minerals from natural sources and eco-compatible colour pigments
- eco-compatible production process and packaging
- free of any PVC, plasticizers (phthalate) and halogens (e.g. chlorine)
- safety in the event of a fire no hydrogenchloride gas, no hydrochloric acid, no dioxins and furans
- no drain on precious natural resources due to long useful lifetime and high wear resistance
- no need for coating significantly reduced waste water loading
- installing with eco-friendly process materials

Please request our detailed brochure on our floorcoverings' eco-compatibility.









DIN EN ISO 14001





The Blue Angel is the worldwide

PERPIED ENVIRONMENTAL MANAGEMENT Registration no.: D-153-00016 Awarded for all **noraplan** standard floorcoverings and for all **norament** 925 floorcoverings and stairtreads.

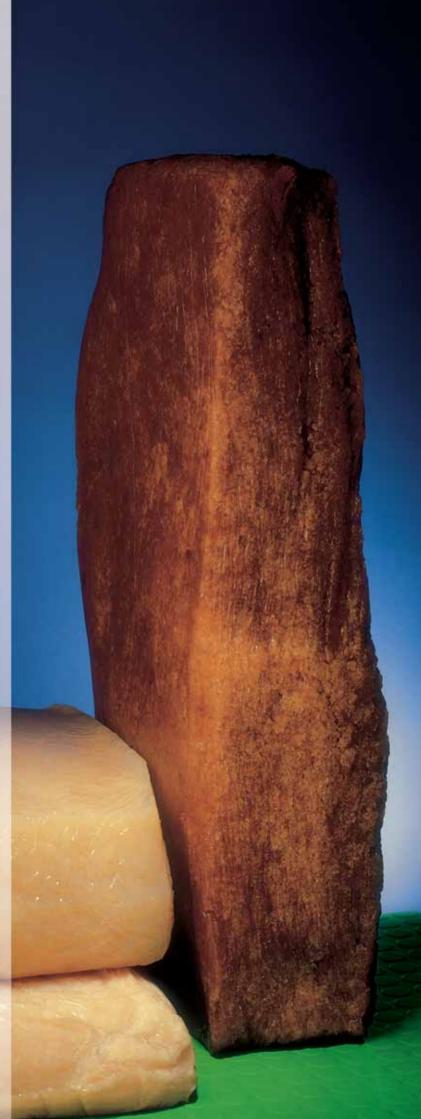
Groundbreaking product properties:

- extraordinarily wear-resistant and extremely long useful lifetime
- environmentally compatible*
- easy and cost-efficient cleaning thanks to «nora cleanguard®» and «nora cleanguard® plus»
- dimensionally stable as a rule, no joint-sealing required
- resistant to cigarette burns no surface damage
- outstanding fire-protection properties
- permanently resilient with high walking comfort
- excellent footfall sound absorption – peak values up to 20 dB
- largely resistant to chemicals
- antistatic
- **■** anti-slip properties

*We will be pleased to send you detailed information on request

Product properties for special requirements

- electrostatic conductive
- electrostatic dissipative
- suitable for fork-lift-truck traffic
- **■** extremely impact-resistant
- **■** extremely fire-resistant
- fire-toxicologically safe (DIN 4102, building material classes A)
- largely resistant to oils and greases



norament® 925/Round pastille norament® 825/Round pastille norament® 825/Hammerblow surface norament® 986 metro norament® 925 strada norament® 986 luxor

norament® 986 cara norament® 925 serra norament® 925 grano norament® 925 lago

Content

noraplan® uni noraplan® stone noraplan® logic noraplan® fossil noraplan® mega noraplan® plus noraplan® classic noraplan® eco noraplan® grip

Special designs

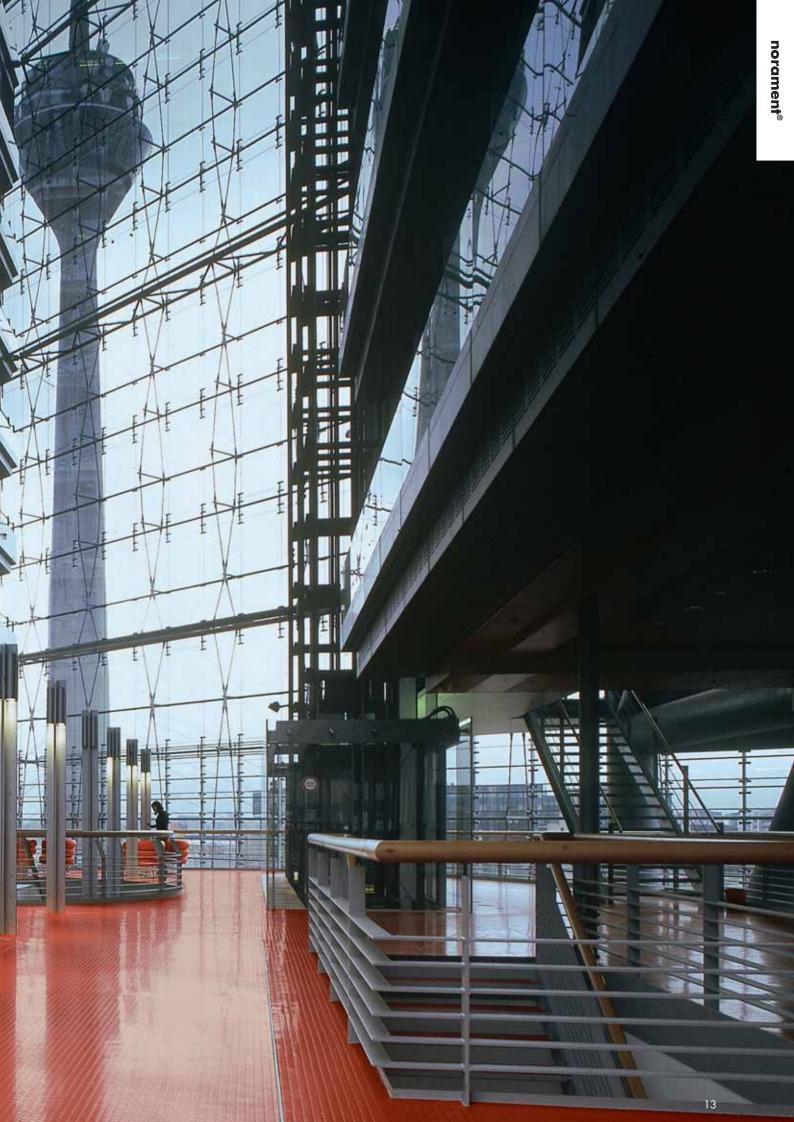
norament®/noraplan® alelectrostatically dissipative norament®/noraplan® elelectrostatically conductive norament® xilargely resistant to oils and greases noraplan® acoustic footfall sound absorption 20 dB norament® fire protection floorings **norament**® for heavy-duty use

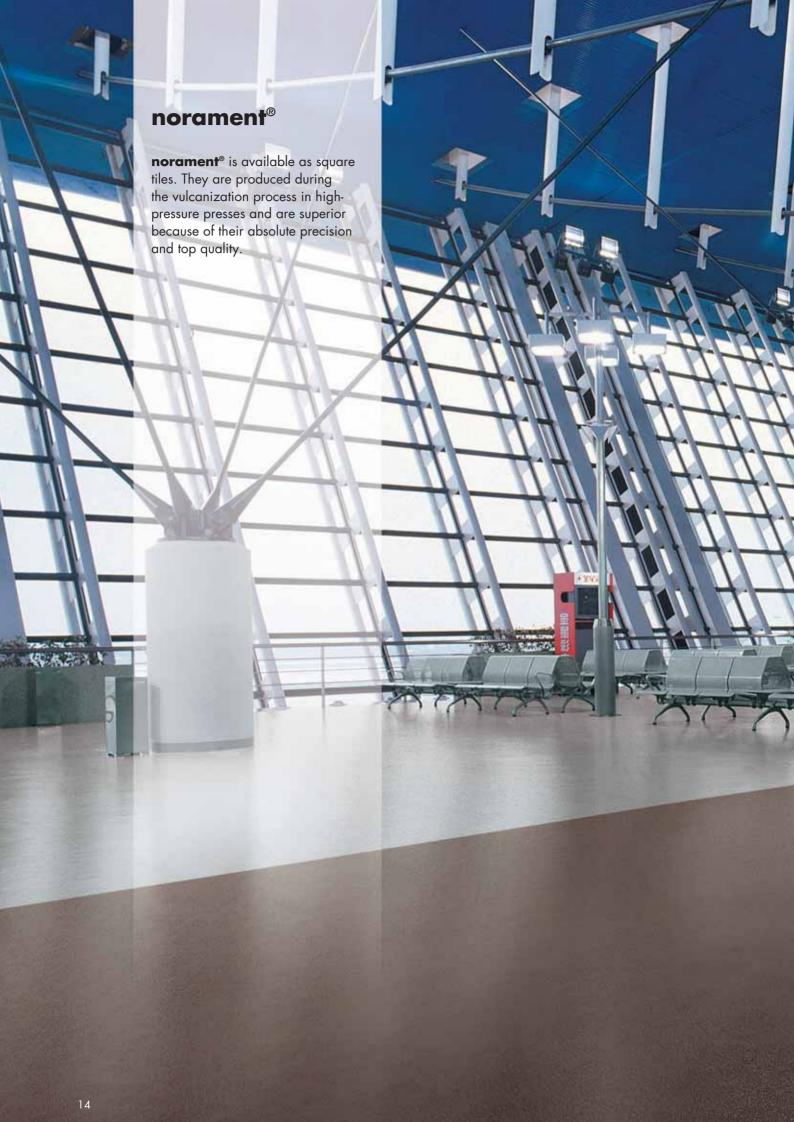
norament® stairtreads nora® stair nosings nora® stair angles nora® stringers Special dry adhesive

nora® accessories

Technical data norament® Technical data noraplan®

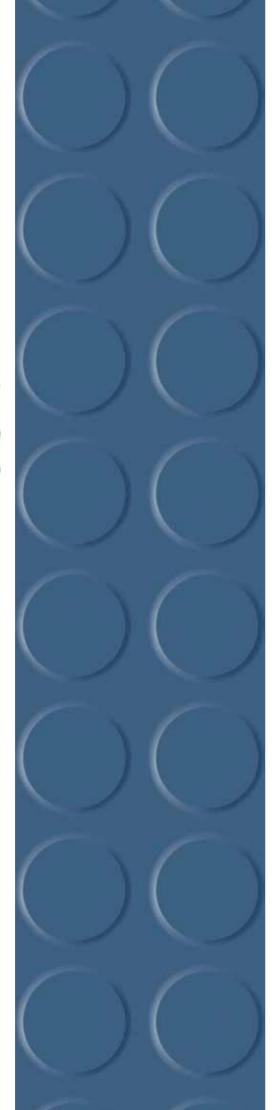








norament® 925



Rubber floorings for extremely heavy traffic areas, with classical round pastille, one-coloured

norament® 925



20

Art. 925/354

 \square ~ 1002 mm x 1002 mm

nora® profile connection dimension: E + U

norament® 925 for raised-access floors



\$ 2: 0702, 0749

Art. 925/1882

 \square ~ 610 mm x 610 mm

Please note

For grid dimension 600 mm \times 600 mm. Article 925/1882 is not suitable for installation on large areas.

These colours are also available in the following special floorings:

- norament® 928 al
- electrostatically dissipative
- norament® 926 xi

largely resistant to oils and greases

norament® 923

for special fire-protection requirements

norament® stairtreads

- Colours marked with this symbol are also available as norament® 925 stairtread.
- = Price category



norament® 825



Rubber floorings for heavy traffic areas, with classical round pastille or with hammerblow surface, one-coloured

norament® 825 Round pastille



<mark>-- 20</mark>

Art. 825/1902

 \square ~ 503 mm x 503 mm

nora® profile connection dimension: C + U

norament® 825 Hammerblow surface



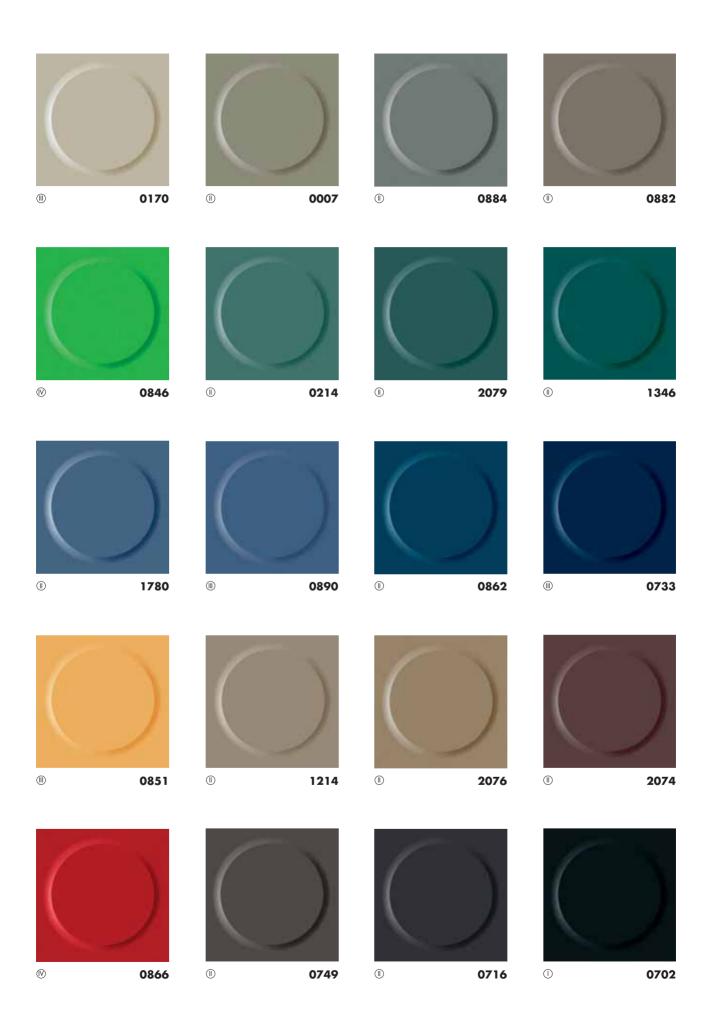
3 20

Art. 825/1910

□ ~ 503 mm x 503 mm

nora® profile connection dimension: C + U

O = Price category



norament® 925 strada



Rubber flooring for extremely heavy traffic areas, with cubic-structure and tone-in-tone granule effect

norament® 925 strada



å 16

Art. 925 strada/1870

□ ~ 1002 mm x 1002 mm

nora® profile connection dimension: E + U

The tile character of **norament® 925 strada** is maintained across the entire installed surface. The light reflecting cubic structure creates discrete effects of lights and shadows.





Rubber flooring for extremely heavy traffic areas, with mat-silk surface and granule effect, extremely UV-resistant, may be decontaminated

norament® 986 luxor



å 16

Art. 986 luxor/256

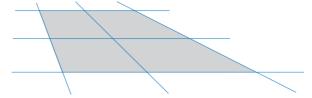
 \square ~ 503 mm x 503 mm 12 \square = 3 m² in one carton

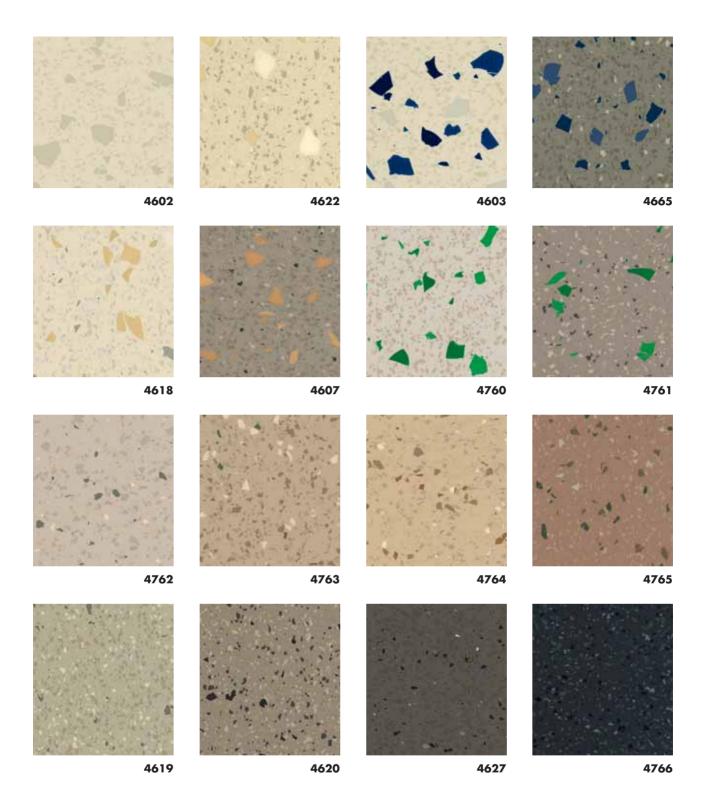
nora® profile connection dimension: E + U

Accentuation stripes made of norament® 986 luxor

Accentuation stripes for joint-sealing **norament® 986 luxor.**

Material thickness $3.5\,$ mm, width $4.0\,$ mm. Available in colours $4619\,$ and $4627\,$ in lengths of $503\,$ mm and $1,006\,$ mm.





norament® 986 cara

Rubber flooring
for extremely heavy traffic areas,
with high-class directional design
and mat-silk surface.
All tiles are different –
each square meter is unique.
Extremely UV resistant

norament® 986 cara

_____~3.5 mm

Art. 986 cara/3003

 \square ~ 1002 mm x 1002 mm

nora® profile connection dimension: E + U

norament® 986 cara tiles are produced using a unique production process.

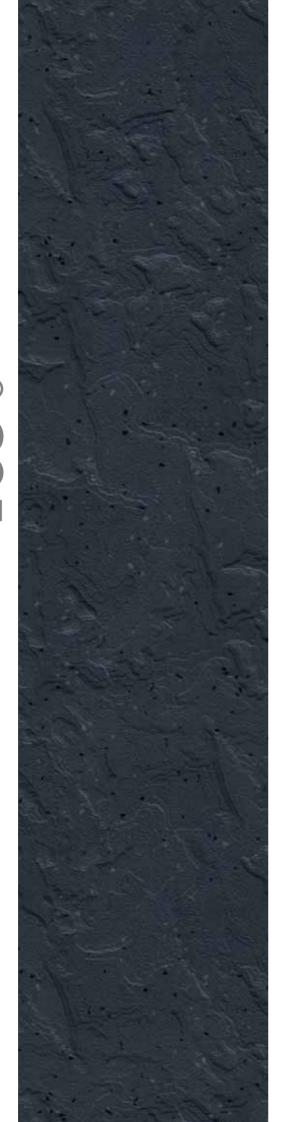
Thanks to the special mixture of design and colours, each tile has a special aesthetic character, even within one single production batch.

norament® accentuation stripes

Uni-coloured accentuation stripes to joint-seal **norament® 986 cara.**Material thickness 3.5 mm, width 4.0 mm.
Available in the colours 0882 and 2767 and a length of 1,002 mm.



25



Rubber flooring for extremely heavy traffic areas, with flat, directional slate structure and fine scatter design

norament® 925 serra

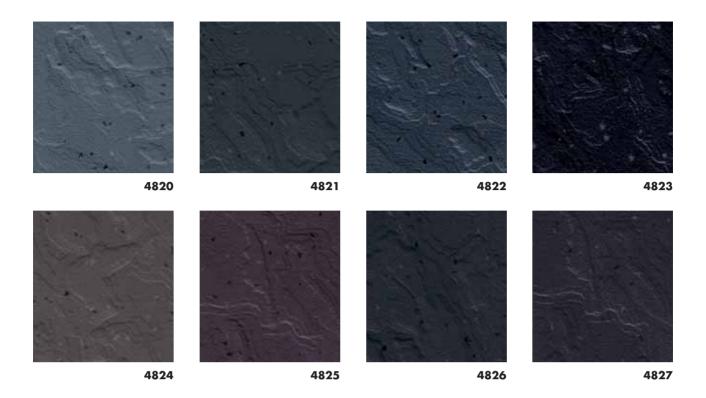


Art. 925 serra/3016

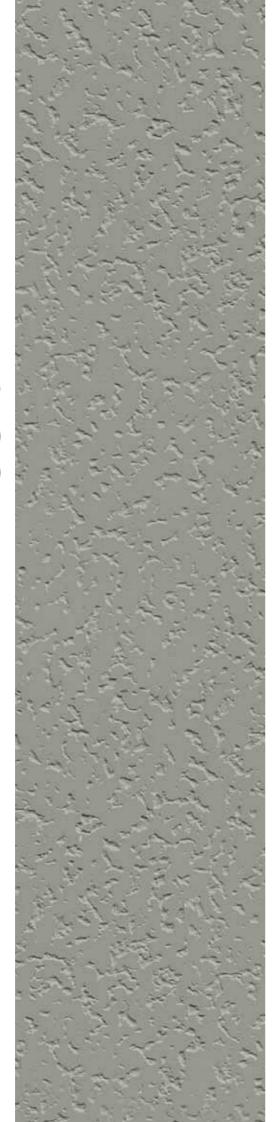
□ ~ 1002 mm x 501 mm

Smaller tile sizes available on request

 $\textbf{nora}^{\text{@}}$ profile connection dimension: E + U



norament® 986 metro



Rubber flooring for extremely heavy traffic areas, with macropore, silk-mat coated surface, uni-coloured. Extremely UV-resistant

norament® 986 metro

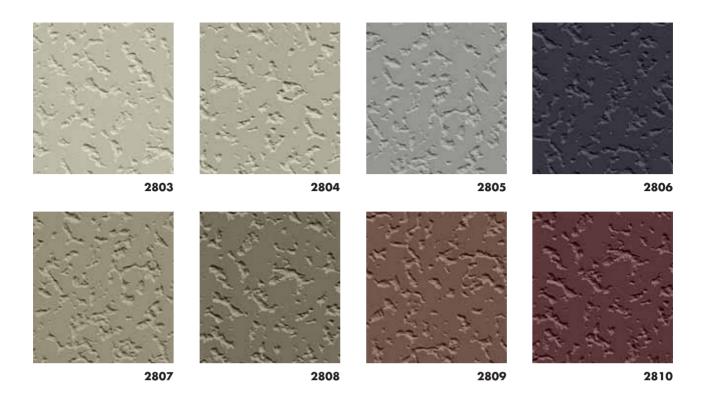
-3.5 mm

8

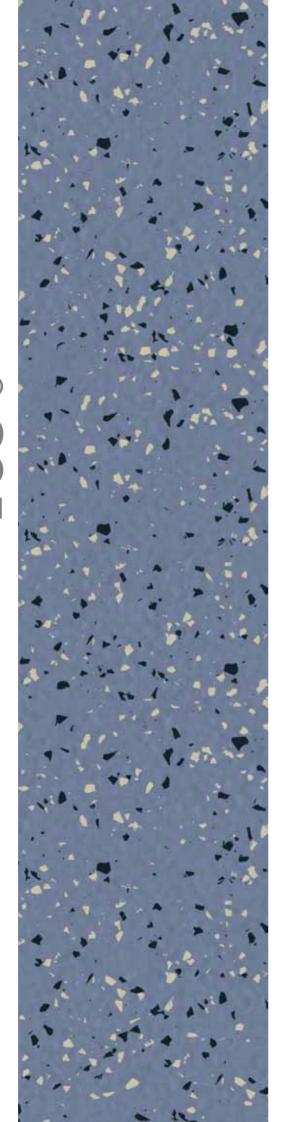
Art. 986 metro/3008

□ ~ 1002 mm x 1002 mm

 $\textbf{nora}^{\text{@}}$ profile connection dimension: E + U



nordment® 925 grano



Rubber floorings for extremely heavy traffic areas, with hammerblow surface and granule effect

norament® 925 grano

~3.5 mm

20

Art. 925 grano/1880

 \square ~ 1002 mm x 1002 mm

nora® profile connection dimension: E + U

For raised-access floors:

3.5 mm
 5
 Art. 925 grano/1911
 ~ 610 mm x 610 mm

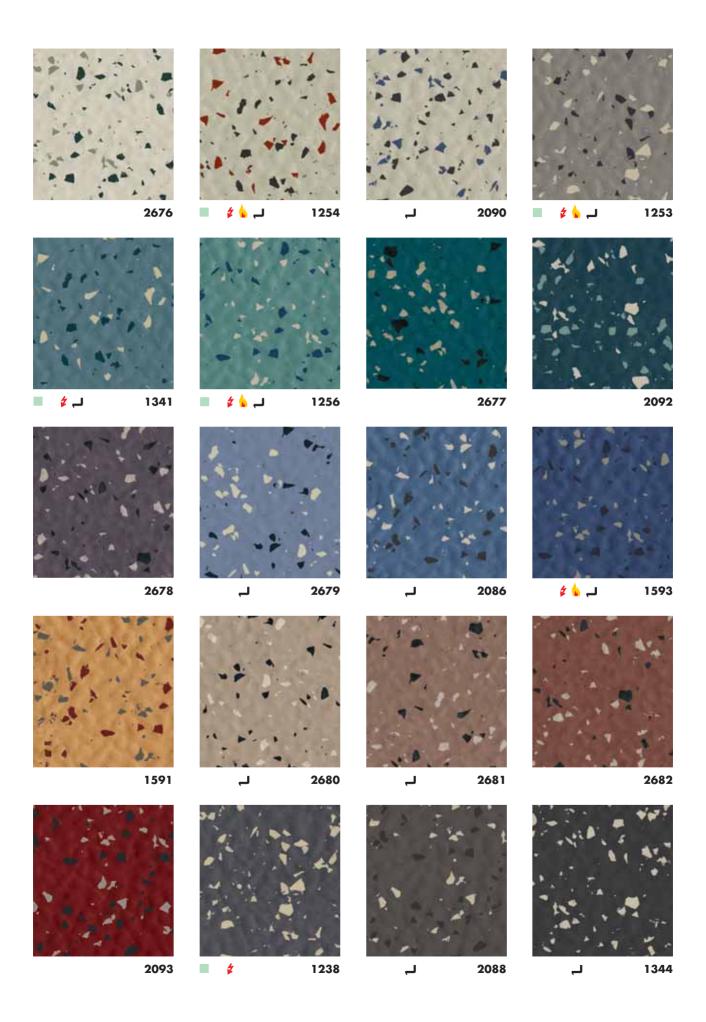
for grid dimension $600 \times 600 \text{ mm}$

These colours are also available in the following special floorings:

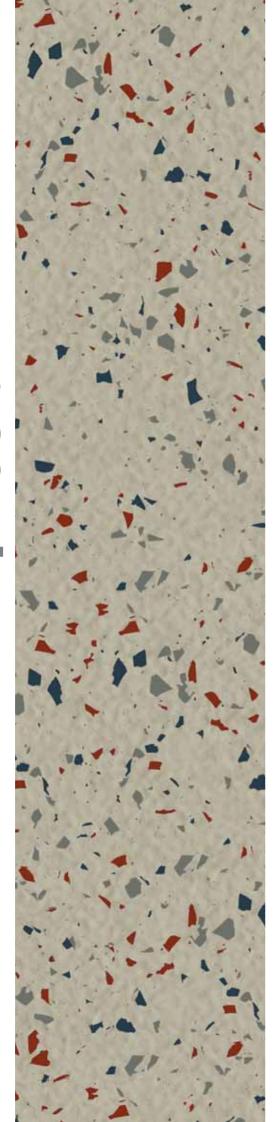
- norament® 928 al grano electrostatically dissipative
- norament® 923 grano for special fire-protection requirements

norament® stairtreads

Colours marked with this symbol are also available as norament® 925 grano stairtread.



nordment® 925 lago



Rubber flooring for extremely heavy traffic areas, with hammerblow surface and striking granule structure

norament® 925 lago



å 16

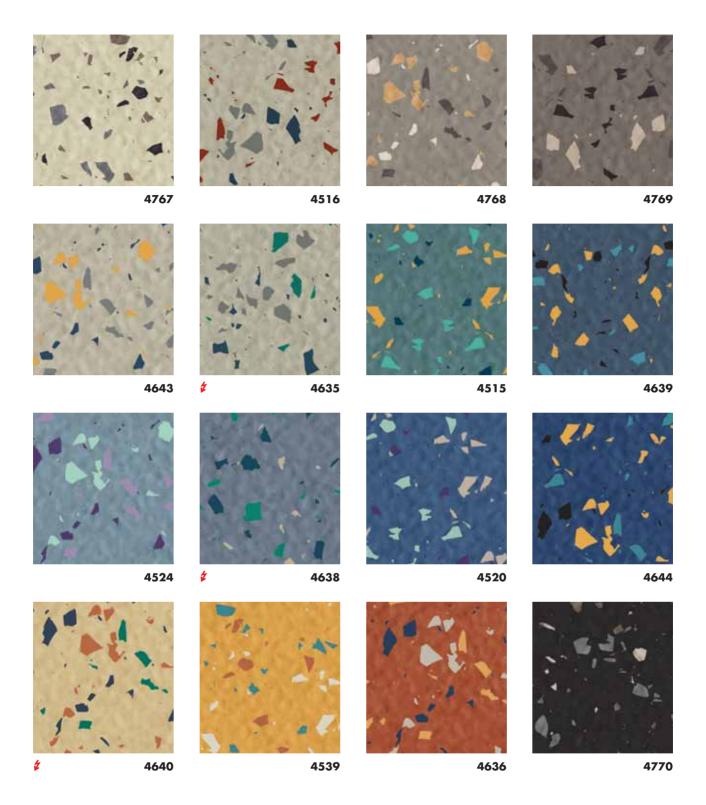
Art. 925 lago/1880

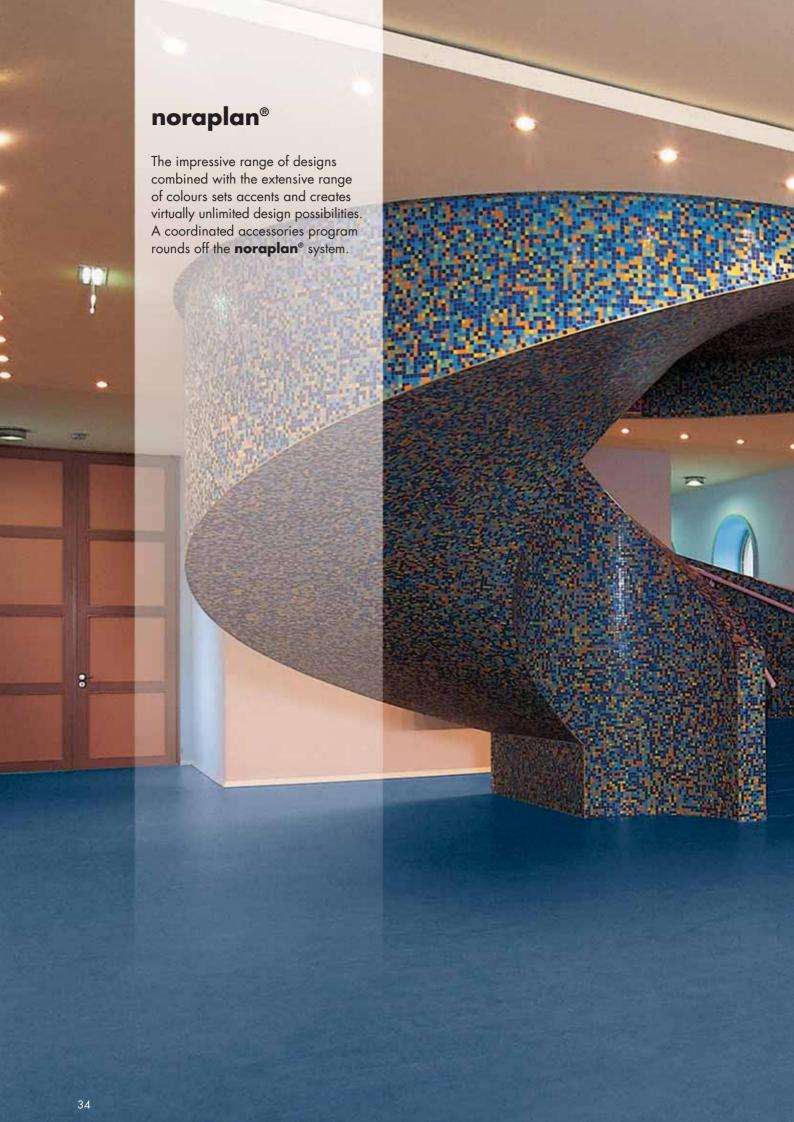
□ ~ 1002 mm x 1002 mm

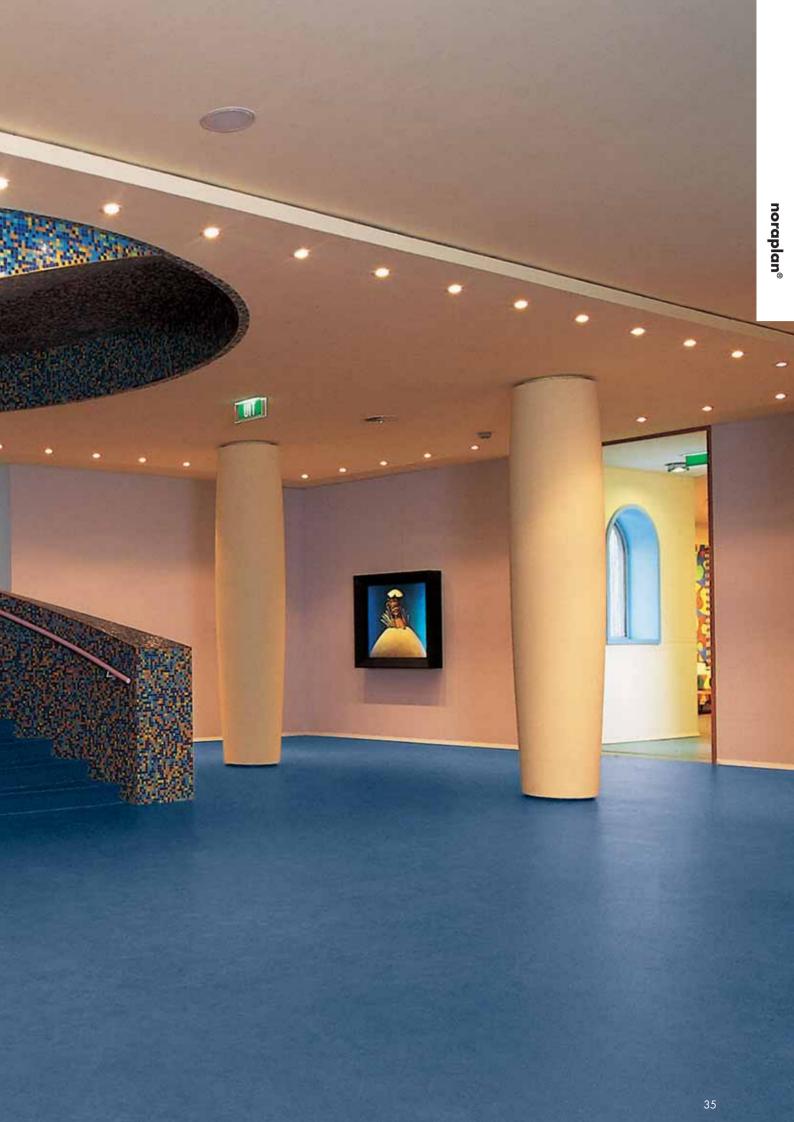
nora® profile connection dimension: E + U

These colours are also available as

norament® 928 al lago electrostatically dissipative











noraplan® uni

Rubber flooring for high performance, one-coloured

noraplan® uni

₹ ~2.0 mm

3 20

Art. 1350

~ 1.22 m x 12.0 m

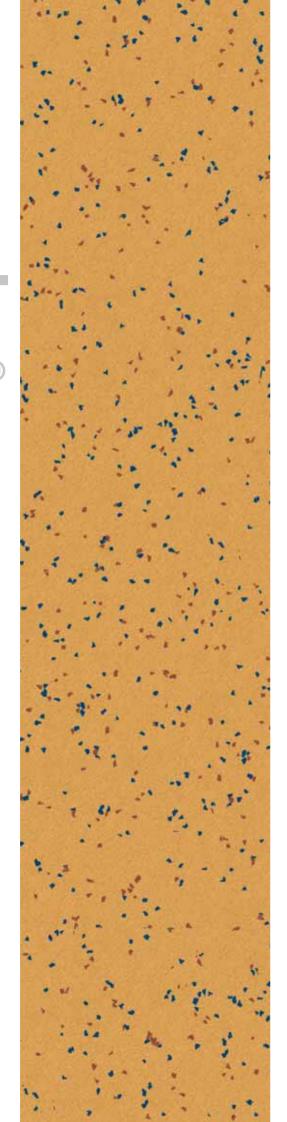
Art. 2350

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

nora® profile connection dimension: A + U

New **«nora cleanguard® plus»** surface not needing any initial cleaning





Rubber flooring for high performance, with discreet, non directional scatter design and reflection-breaking surface structure

noraplan® stone

1 ~2.0 mm

3 20

Art. 149

~ 1.22 m x 15.0 m

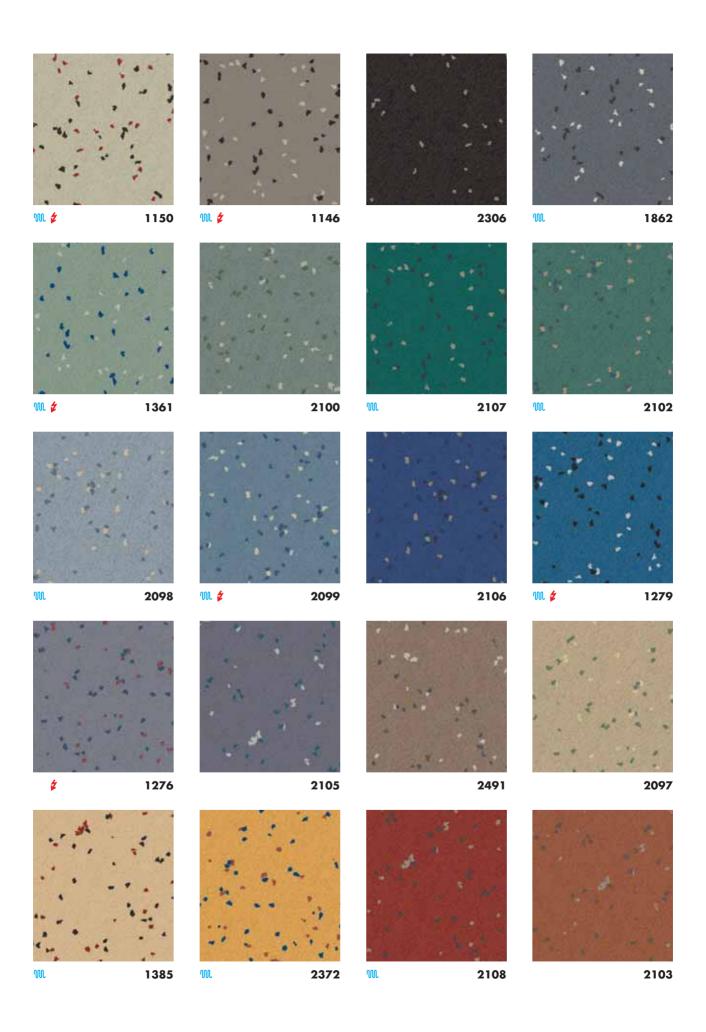
Art. 249

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

nora® profile connection dimension: A + U

These colours are also available in the following special floorings:

- noraplan® stone al electrostatically dissipative
- M noraplan® stone acoustic footfall-sound-absorbing 20 dB



noraplan® logic

Rubber flooring for high performance, with a design of 3 harmonically matched colour components

noraplan® logic

■ 毫 ~2.0 mm

å 20

Art. 1351

~ 1.22 m x 15.0 m

Art. 2351

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

nora® profile connection dimension: A + U

New **«nora cleanguard® plus»** surface not needing any initial cleaning





Rubber flooring for high performance, with a changing base colour consisting of three harmoniously matched colour components and characteristic granule inclusions

noraplan® fossil

₹ ~2.0 mm

- 16

Art. 1352

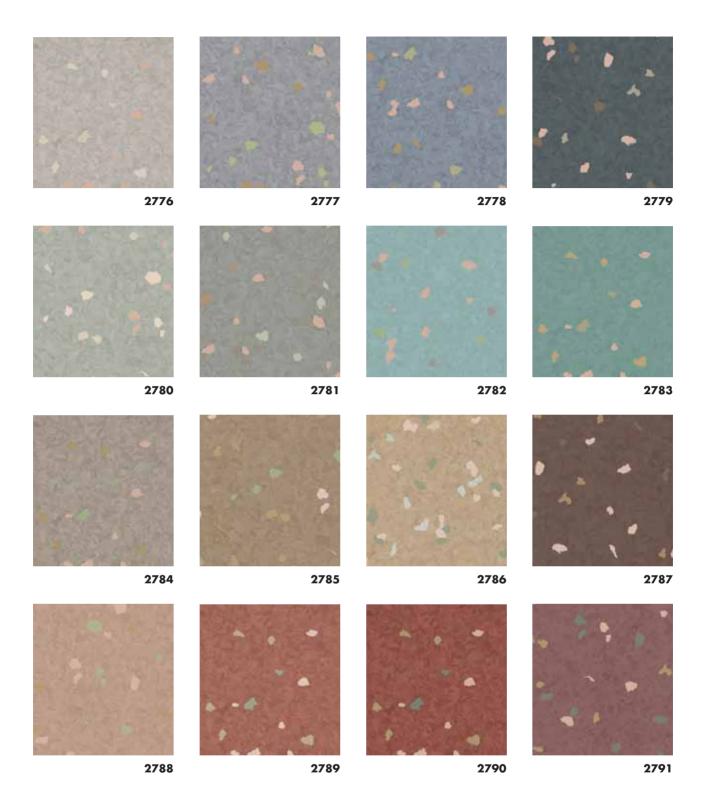
~ 1.22 m x 15.0 m

Art. 2352

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

nora® profile connection dimension: A + U

New **«nora cleanguard® plus»** surface not needing any initial cleaning





Rubber floorings for high performance, with harmonic running, three-coloured granular design

noraplan® mega/2.0 mm

₹ ~2.0 mm

3 20

Art. 106

~ 1.22 m x 15.0 m

Art. 206

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

nora® profile connection dimension: A + U

On request also available in the new **«nora cleanguard® plus»** surface not needing any initial cleaning.

noraplan® mega/3.0 mm

~3.0 mm

& 8

Art. 1081

~ 1.22 m x 12.0 m

Art. 2081

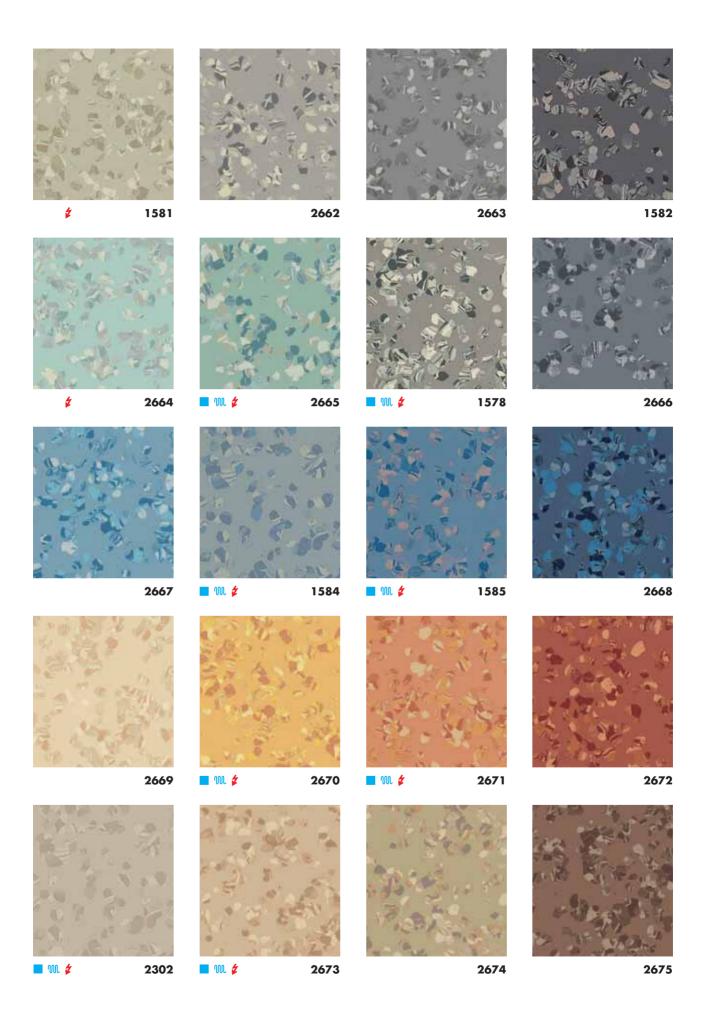
□ ~ 610 mm x 610 mm

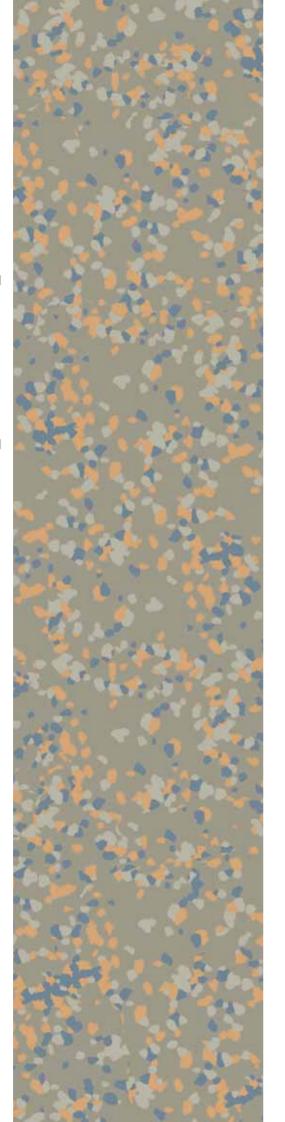
 $10 \square = 3.72 \text{ m}^2 \text{ in one carton}$

 $\textbf{nora}^{\text{\tiny{@}}}$ profile connection dimension: U

These colours are also available in the following special floorings:

- noraplan® mega al electrostatically dissipative
- m noraplan® mega acoustic footfall-sound-absorbing 20 dB





Rubber flooring for high performance, with multi-coloured granular design rich in contrast

noraplan® plus

₹ ~2.0 mm

. 16

Art. 110

~ 1.22 m x 15.0 m

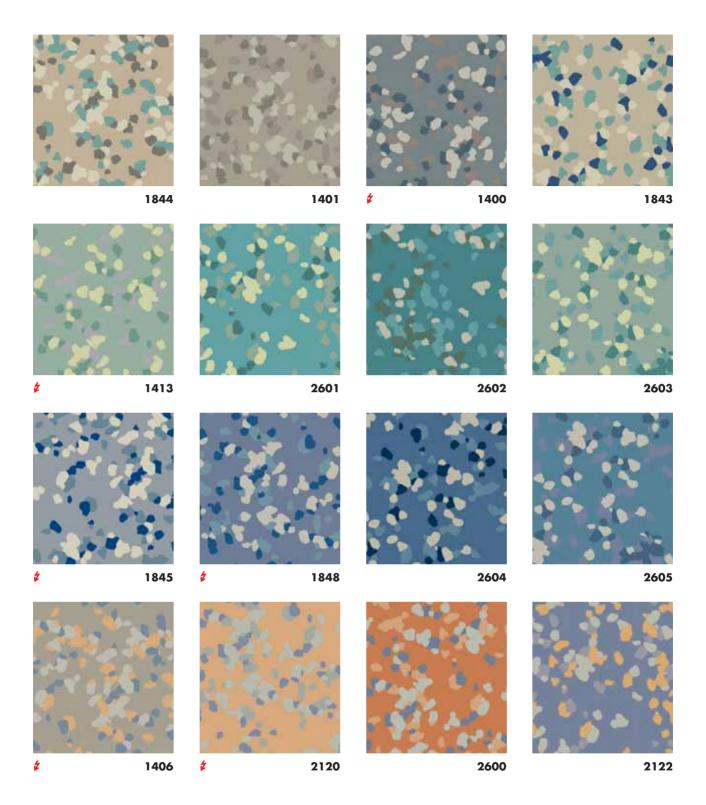
Art. 210

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

nora® profile connection dimension: A + U

These colours are also available in the following special floorings:

- noraplan® plus al/2.0 mm
- noraplan® plus al/3.5 mm electrostatically dissipative





Rubber flooring for high performance, with classic, discreet marbling

noraplan® classic

■ **③** ~2.0 mm

å 16

Art. 1207

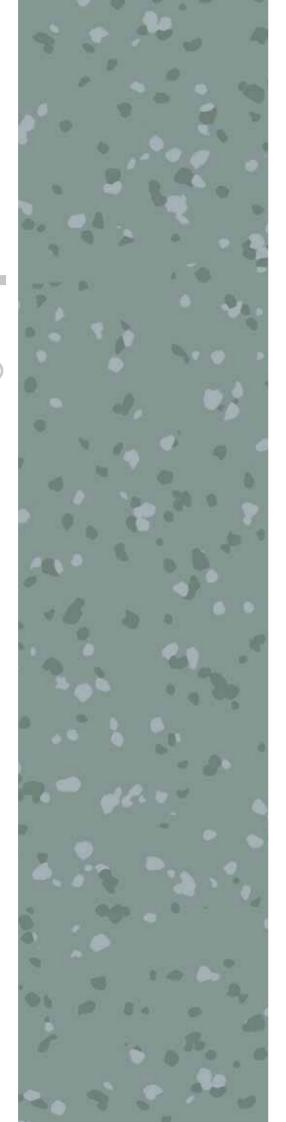
~ 1.22 m x 15.0 m

Art. 2207

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

 $\textbf{nora}^{\text{@}}$ profile connection dimension: A + U





Rubber flooring for high performance, with smooth tone-in-tone granular design

noraplan® eco

■ **③** ~2.0 mm

å 16

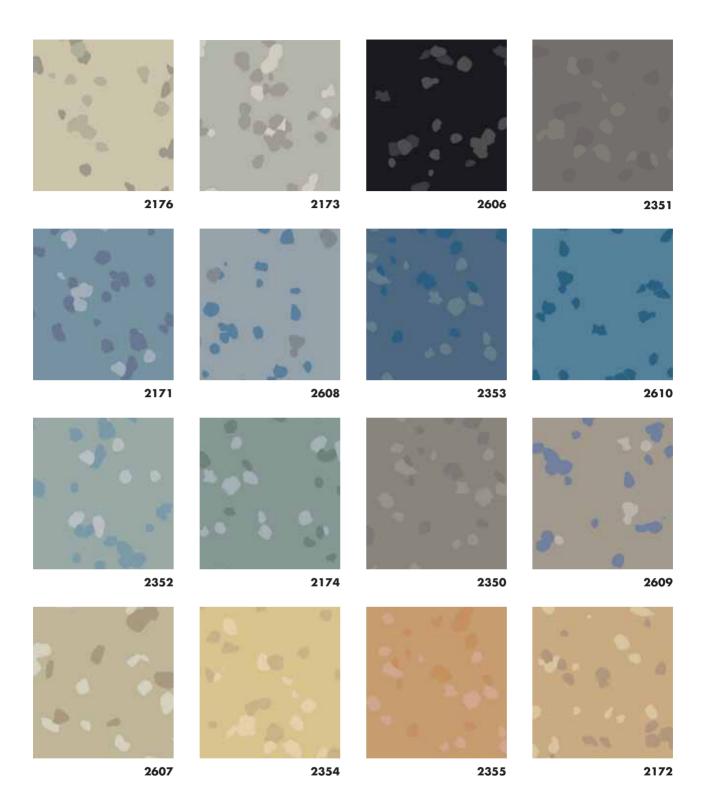
Art. 1082

~ 1.22 m x 15.0 m

Art. 2082

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

nora® profile connection dimension: A + U





Rubber flooring for high performance, with non-directional scatter design, aluminium glitter integrations and reflection-breaking surface, anti-slip protection class R10 according to DIN 51 130 and BGR 181

noraplan® grip

₹ ~2.0 mn

å 12

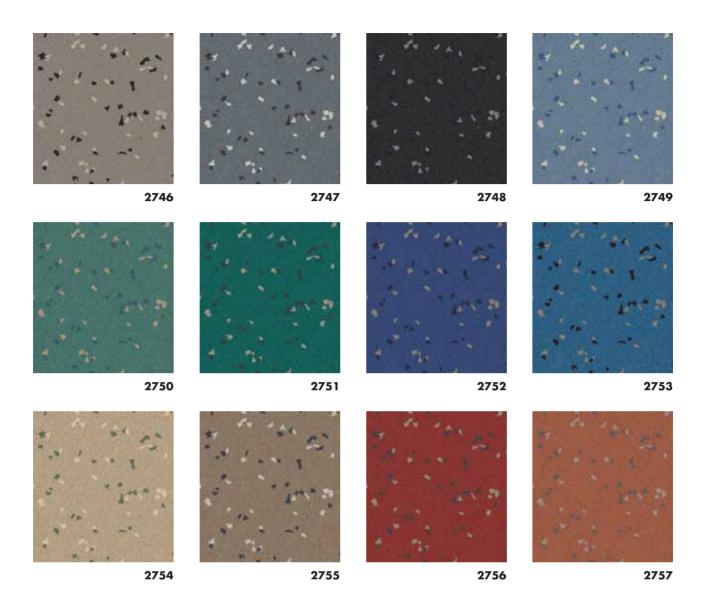
Art. 1280

~ 1.22 m x 15.0 m

Art. 2280

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

nora® profile connection dimension: A + U







nora® special designs

The nora® range includes a wide spectrum of interesting design and surface variants.

These special norament® and noraplan® designs are finished to a specific order.*

We would be happy to talk to you about other individual design possibilities.



norament® **Design 23**

Classical round pastille combined with grano granule effect.

 \square ~ 1000 mm x 1000 mm



*Please note

Minimum order quantities on request

norament® **Design 24**

Classical round pastille, combined with the striking lago granule structure. \square ~ 1000 mm x 1000 mm



norament® Design 27

Finely embossed surface with tone-in-tone granular design.

□ ~ 1002 mm x 1002 mm



norament® Design 13

One-coloured,
with mini-pastilles,
in a round configuration
□ ~ 1000 mm x 1000 mm



norament® Design 16

One-coloured, with mini-pastilles, in a square configuration □ ~ 1000 mm x 1000 mm

nora® special designs



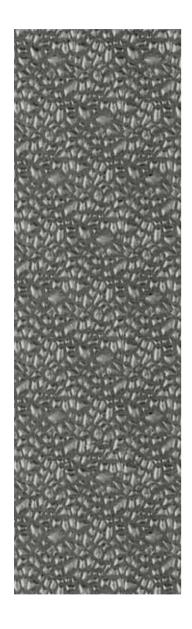


norament® Design 11

One-coloured, with 1.0 mm high square pastilles. □ ~ 1000 mm x 1000 mm

norament® Design 10

One-coloured, with 0.3 mm high square pastilles. □ ~ 1000 mm x 1000 mm





norament® Design 14

One-coloured, with striking profiled slate structure.

— ~ 1004 mm x 502 mm

norament® Design 18

One-coloured, with grain structure (~ 0.5 mm high).

□ ~ 1000 mm x 1000 mm



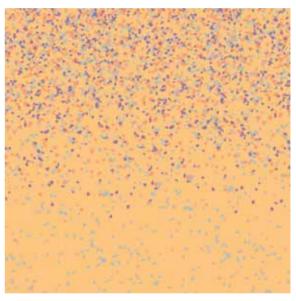
norament® Design 26

Mat-silk surface with striking granule effect without structures.

□ ~ 503 mm × 503 mm

nora® special designs





noraplan® Design 40

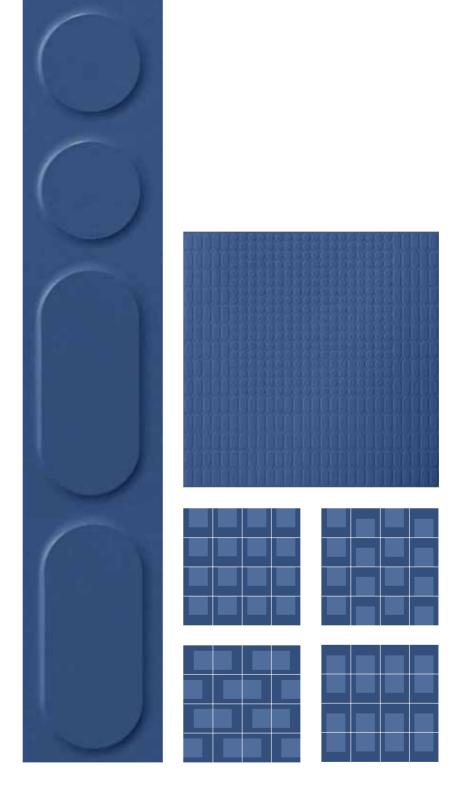
One-directional granular design

□ ~ 610 mm x 610 mm



noraplan® Design 41

With merging, two-coloured marbling \bigcirc ~ 1.22 m x 15.0 m \square ~ 610 mm x 610 mm

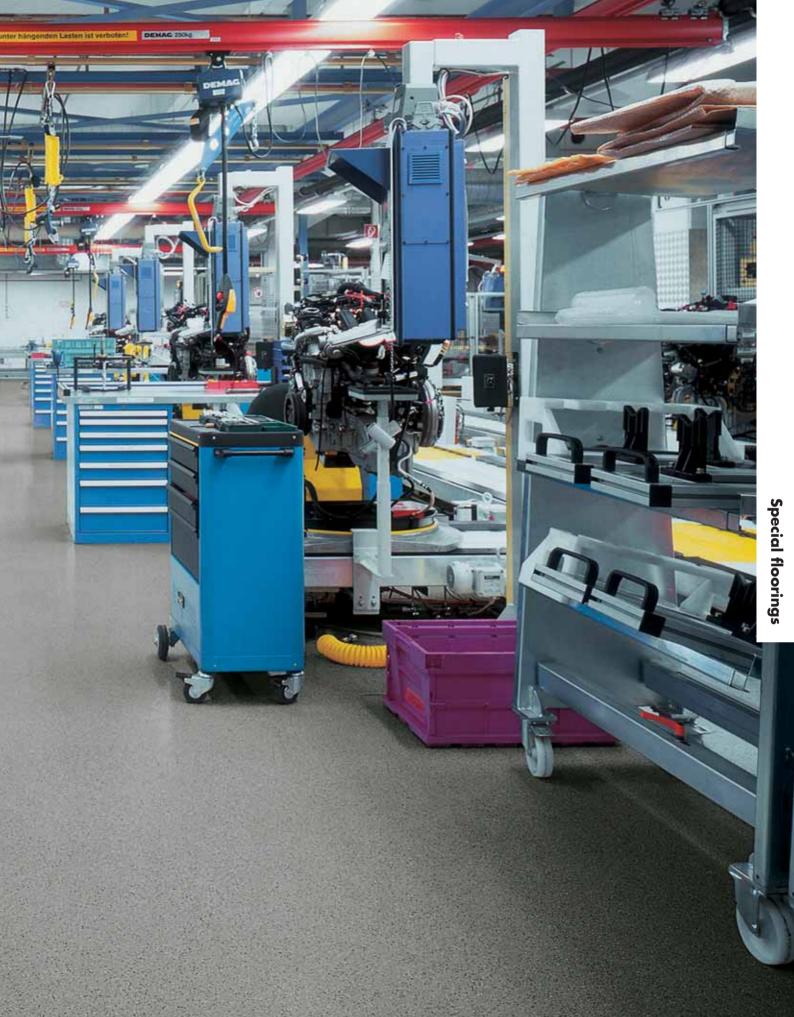


norament® Design 25

One-coloured, with combined round and long pastilles in a clearly defined design geometry.

□ ~ 1000 mm x 1000 mm







Rubber floorings electrostatically dissipative

For optimum ESD protection of electronic devices and equipment.

Protection against electrical shock.

Largely resistant to oils and greases.

Suitable for fork-lift-truck areas.



norament® 928 al



4

Art. 928 al/399

 \square ~ 1002 mm x 1002 mm

nora® profile connection dimension: E + U

norament® 928 al grano



& 6

Art. 928 al grano/1880

□ ~ 1002 mm x 1002 mm

nora® profile connection dimension: E + U

For raised-access floors: Art. 928 al grano/1911

 \square ~ 610 mm x 610 mm for grid dimension 600 mm x 600 mm

norament® 928 al lago

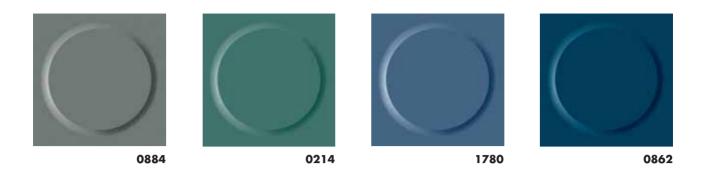


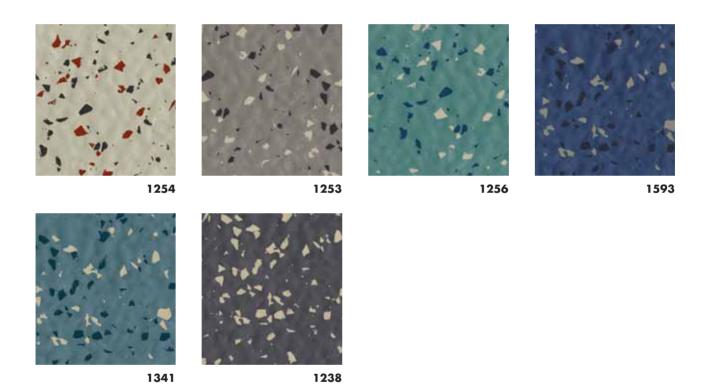
<u>.</u> 3

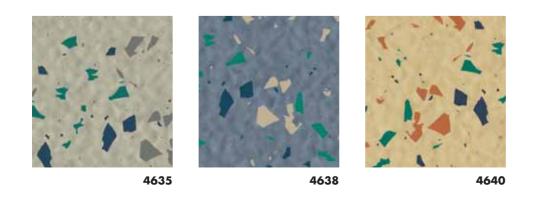
Art. 928 al lago/1880

□ ~ 1002 mm x 1002 mm

nora® profile connection dimension: E + U









Rubber floorings electrostatically dissipative

For optimum ESD protection of electronic devices and equipment.

Protection against electrical shock.

Largely resistant to oils and greases.



noraplan® stone al

₹ ~2.0 mm



Art. 129

~ 1.22 m x 15.0 m

Art. 229

 \square ~ 610 mm x 610 mm

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

nora® profile connection dimension: A + U

noraplan® plus al/2.0 mm

₹ ~2.0 mm

Art. 191

& 6

~ 1.22 m x 15.0 m

Art. 291

 \square ~ 610 mm x 610 mm

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

nora® profile connection dimension: A + U

noraplan® plus al/3.5 mm

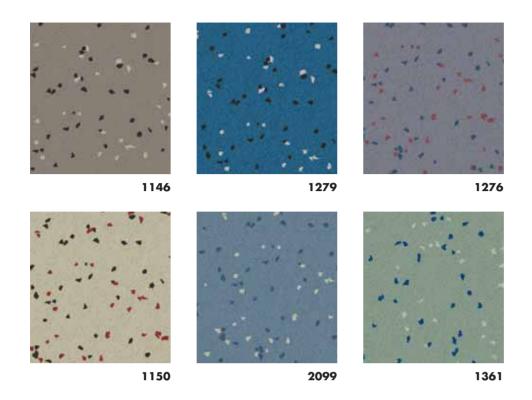
___~~3.5 mm

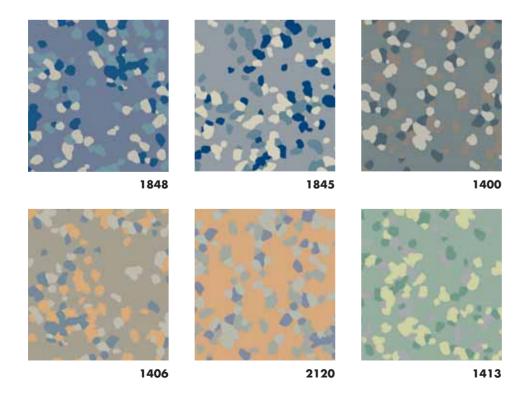
& 6

Art. 193

~ 1.22 m x 8.0 m

nora® profile connection dimension: E + U







Rubber flooring electrostatically dissipative

For optimum ESD protection of electronic devices and equipment.

Protection against electrical shock.

Largely resistant to oils and greases.



noraplan® mega al

₹ ~2.0 mm



Art. 100

~ 1.22 m x 15.0 m

Art. 200

 \square ~ 610 mm x 610 mm

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

nora® profile connection dimension: A + U



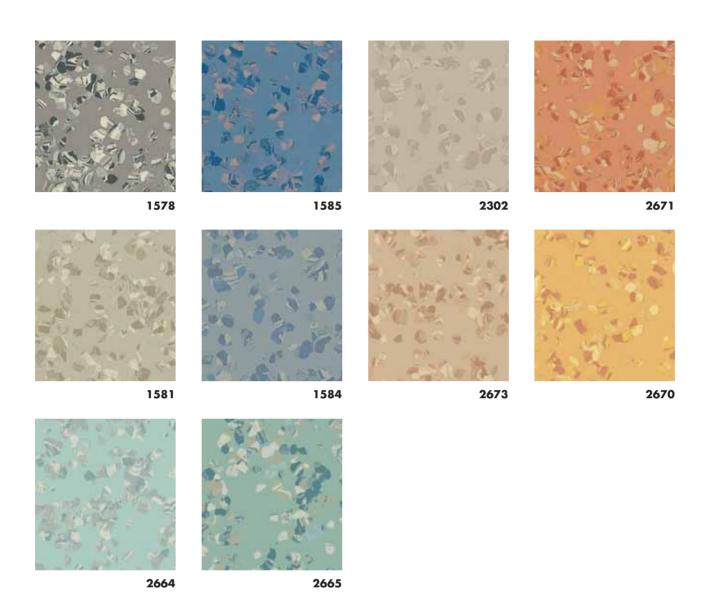
Art. 2074

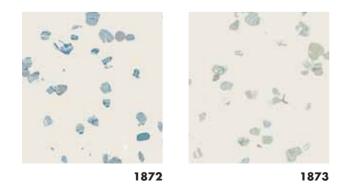
 \square ~ 610 mm x 610 mm 15 \square = 5.58 m² in one carton

nora® profile connection dimension: A + U

Please note

We only recommend colours 1872 and 1873 for areas which are unlikely to be subject to stains and dirt.





* norament® e

Rubber flooring electrostatically conductive

For optimum ESD protection of electronic devices and equipment.

Suitable for areas with a risk of explosion.

Largely resistant to acids and alkalis.

Suitable for fork-lift-truck areas.



* noraplan® e

Rubber flooring Electrostatically conductive

For optimum ESD protection of electronic devices and equipment.

Suitable for areas with a risk of explosion.

Heterogeneous flooring protected under Freudenberg patent



norament® 927 el grano



8

Art. 927 el grano/1880

 \square ~ 1002 mm x 1002 mm

nora® profile connection dimension: E + U

noraplan® duo el



-2.5 mm

4

Art. 170

~ 1.22 m x 12.0 m

Art. 270

 \square ~ 610 mm x 610 mm 12 \square = 4.46 m² in one carton

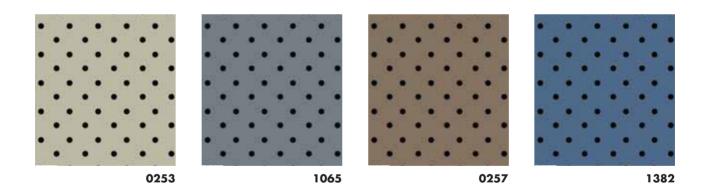
nora® profile connection dimension: C + U

noraplan® duo el must be joint-sealed using the **nora®** hot welding rod.

noraplan® duo el NFPA

noraplan[®] **duo el** is also available as a special article in a version complying with the requirements laid down in the American standard NFPA 99 (minimum quantity on request).







Rubber flooring largely resistant to oils and greases.

Suitable for fork-lift-truck areas.

norament® 926 xi

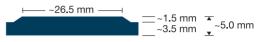


<mark>♣</mark> 4

Art. 926 xi/354

□ ~ 1004 mm x 1004 mm

nora® profile connection dimension: E + U



4

Art. 926 xi/379

□ ~ 1004 mm x 1004 mm

nora® profile connection dimension: E + U



Art. 926 xi/1968

Like article 379, however with sanded round pastille.
Particularly slip-resistant.

norament® stairtreads

Colours marked with this symbol are also available as norament® 926 xi stairtread.









M noraplan® acoustic

Rubber floorings for high footfall sound absorption with a footfall sound absorption improvement of

20 dB

noraplan® stone acoustic

. 12

Art. 148

~ 1.22 m x 12.0 m

Art. 248

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

nora® profile connection dimension: F + U

noraplan® mega acoustic



8

Art. 188

~ 1.22 m x 12.0 m

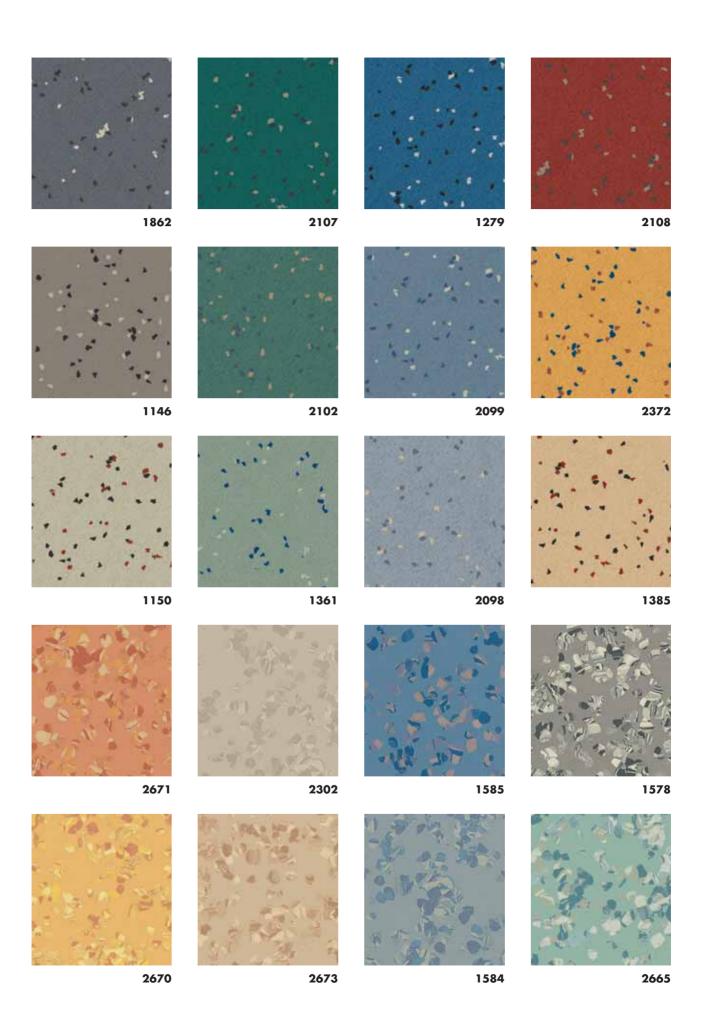
Art. 288

 \square ~ 610 mm x 610 mm

 $10 \square = 3.72 \text{ m}^2 \text{ in one carton}$

nora® profile connection dimension: F + U

noraplan® acoustic rolls have to be sealed with the **nora®** hot welding rod.





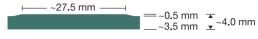


Rubber floorings for special fire-protection requirements.

Safe in fire-toxicological terms.

Extremely UV-resistant.

norament® 923



4

Art. 923/354

□ ~ 1000 mm x 1000 mm

nora® profile connection dimension: E + U

norament® 923 grano

~3.5 mm

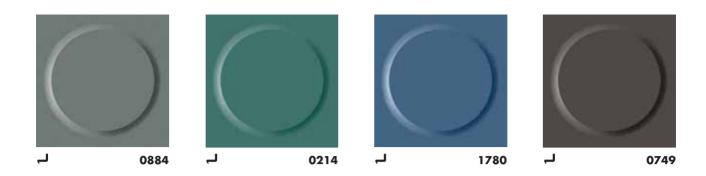
Art. 923 grano/1880

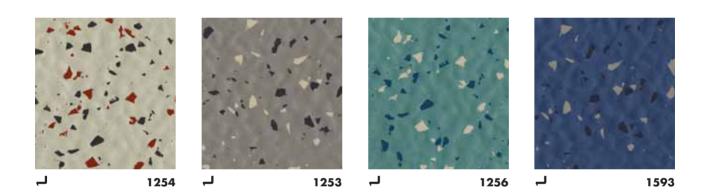
 \square ~ 1000 mm x 1000 mm

nora® profile connection dimension: E + U

norament® stairtreads

Colours marked with this symbol are also available as norament® 923 and norament® 923 grano stairtreads.





norament® 992 / 992 grano / 945 grano

Rubber floorings for areas with extreme requirements e.g. ice rinks, golf clubs, animal stables, etc.

With a high percentage of recycled rubber materials.

Rubber flooring with a high percentage of recycled materials.

For protection and safety in indoor shooting facilities.

norament® 992



& 4

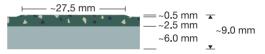
Art. 992/1956

□ ~ 1002 mm x 1002 mm

 $\textbf{nora}^{\text{@}}$ profile connection dimension: N

Please observe price group black/coloured.

norament® 992 grano



4

Art. 992 grano/1956

with round pastilles

 \square ~ 1002 mm x 1002 mm

nora® profile connection dimension: N



<u>*</u> 4

Art. 992 grano/1955

with hammerblow surface

 \square ~ 1002 mm x 1002 mm

nora® profile connection dimension: N

Please note

With hammerblow surface not suitable for wet areas in ice rinks where there is a risk of standing water e.g. from melted ice.

norament® 945 grano

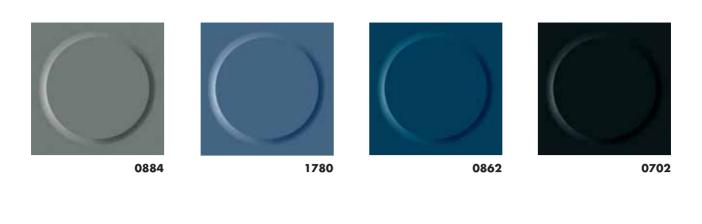


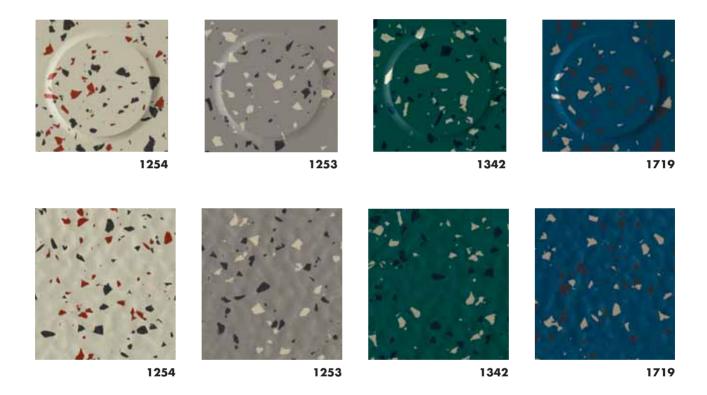
~ 2

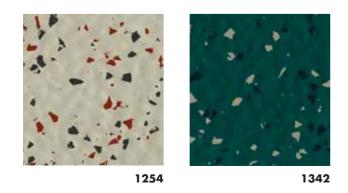
Art. 945 grano/1938

□ ~ 1000 mm x 1000 mm

nora® profile connection dimension: U







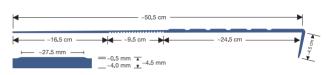


norament® stairtreads

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

For stairwell areas which are subject to extreme use, one-coloured, tread with round pastilles.

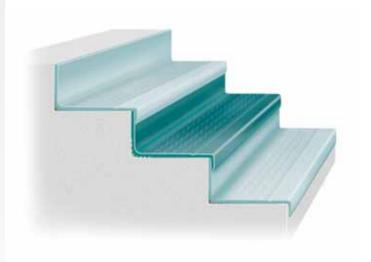
norament® 925



- 12

Art. 925/464 - width 1002 mm Art. 925/465 - width 1285 mm Art. 925/466 - width 1614 mm

Art. 925/467 - width 2004 mm

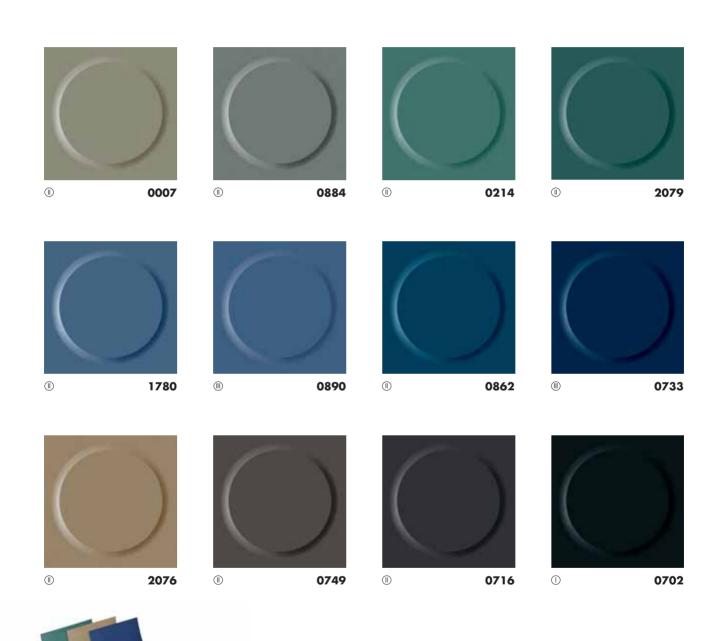


norament[®] stairtreads with highlight yellow or phosphorescent permalight[®] safety strip.

Stairtreads **norament® 925** in all current widths and colours of our standard range may be additionally equipped with highlight yellow safety strips of 2 cm width or a phosphorescent **permalight®** safety strip according to DIN 67 510 in the horizontal part of the stair nosing.

Different-coloured safetey strips are available on request.

○ = Price category

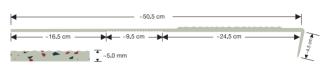


norament® stairtreads

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

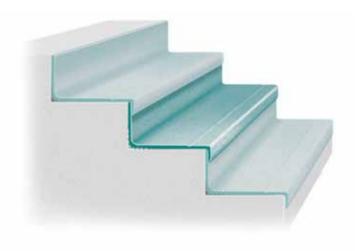
For stairwell areas for extremely heavy traffic areas, with granule effect, tread with hammerblow surface.

norament® 925 grano



. 12

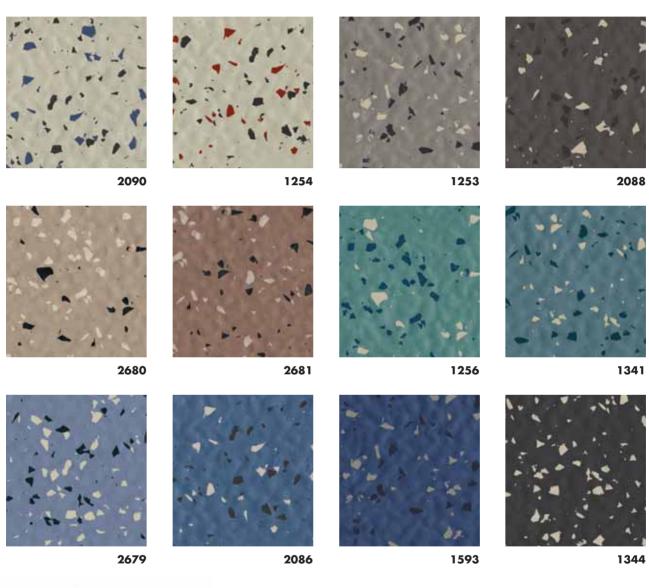
Art. 925 grano/463 - width 1002 mm Art. 925 grano/479 - width 1285 mm Art. 925 grano/468 - width 1614 mm Art. 925 grano/469 - width 2004 mm

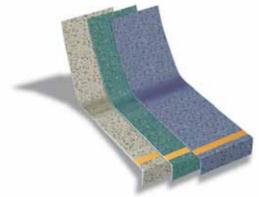


norament® stairtreads with highlight yellow or phosphorescent permalight® safety strip.

Stairtreads norament® 925 grano in all current widths and colours of our standard range may be additionally equipped with highlight yellow safety strips of 2 cm width or a phosphorescent permalight® safety strip according to DIN 67 510 in the horizontal part of the stair nosing.

Different-coloured safetey strips are available on request.





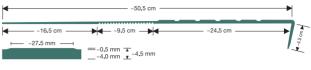
For stairwell areas for extremely heavy traffic areas.



Largely resistant to oils and greases.

norament® 926 xi

One-coloured, tread with round pastilles.



4

Art. 926 xi/465 - width 1285 mm



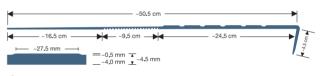
For special fire protection requirements.

Safe in fire toxicologically terms.

Extremely resistant to U.V. light.

norament® 923

One-coloured, tread with round pastilles.

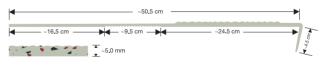


~ 4

Art. 923/465 - width 1285 mm

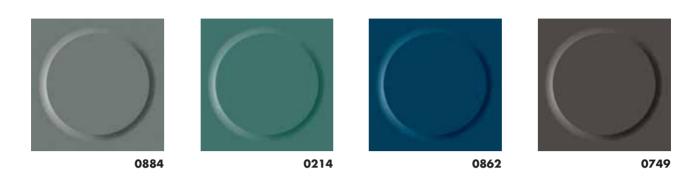
norament® 923 grano

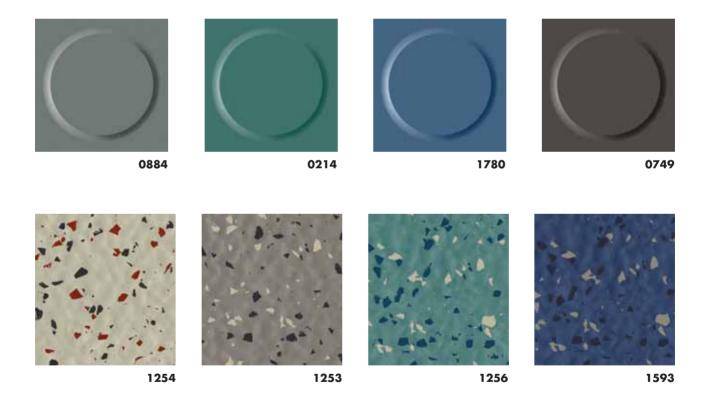
Granule effect, tread with hammerblow surface.



4

Art. 923 grano/479 - width 1285 mm





nora® stair accessories

(8)

nora® accessories for stairwell areas

Accessory range made of rubber matched to suit **norament**® and **noraplan**® floorcoverings. 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 on a lasting basis.

nora® stair nosings T 5049 / T 5044

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

Minimum order quantity: 5 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.



nora® stair angles

TW 7005 U / TW 7006 U / TG 7003 U / TG 7004 U

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

Supplied as: pieces



nora® skirting S 1008 U

Multi-purpose skirting.

Supplied as: rolls of 10 r.m.

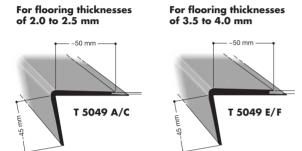
nora® stringer A 5013 U

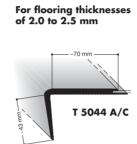
For landings and ramps

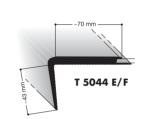
Supplied as: in units of 2.5 r.m.

1 **T 5049:** Fixing with contact adhesive

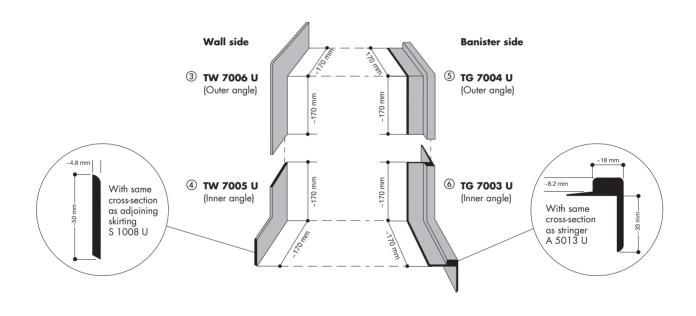
2 T 5044: Fixing with nora® Profix roll-type dry adhesives







For flooring thicknesses of 3.5 to 4.0 mm





nora® stair accessories







nora® stair margin

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

2

Art. 724

~ 600 mm x 100 mm Thickness 12 mm

Supplied as: pieces

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.

nora® special range for stairwell areas

The special range offers profiles with different crosssections for further applications.

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

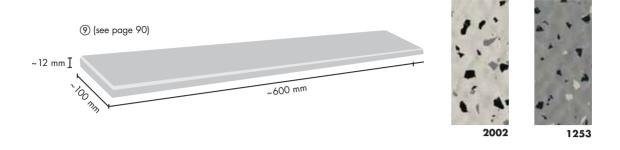
Delivery units and minimum order quantities on request.

nora® stair nosings

T 5019 / T 5033 / T 5045 / T 5005

nora® wall stringer profile for stairs

S 1030 U



The cost and eco-conscious adhesive innovation.

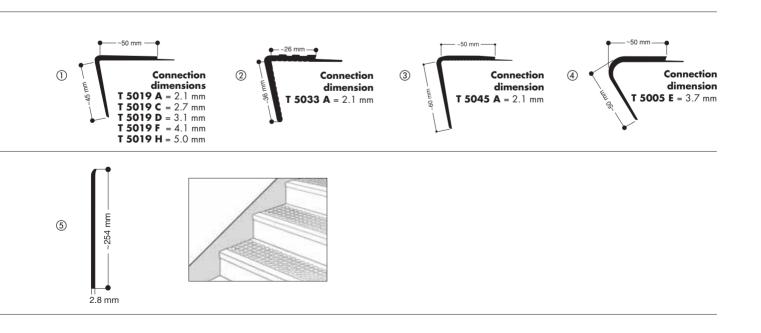
Suitable for new buildings and renovation. Advantages: 3 – 5 times as quick, odourless, can be walked on immediately, economic, eco-compatible, and reliable thanks to

excellent bonding performance.

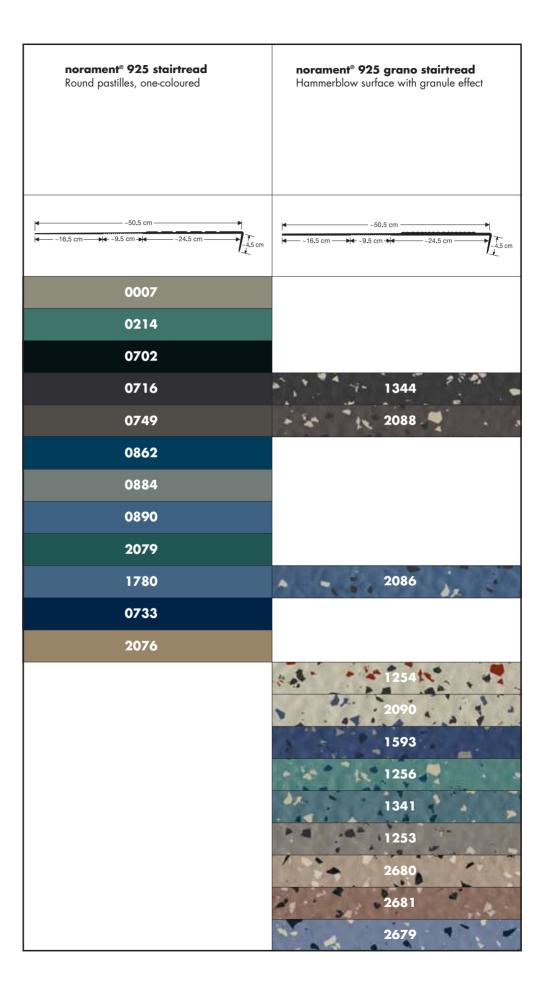
Developed and produced in cooperation with SIFLOOR AG, Switzerland

nora® Stepfix 240 Special roll-type dry adhesive

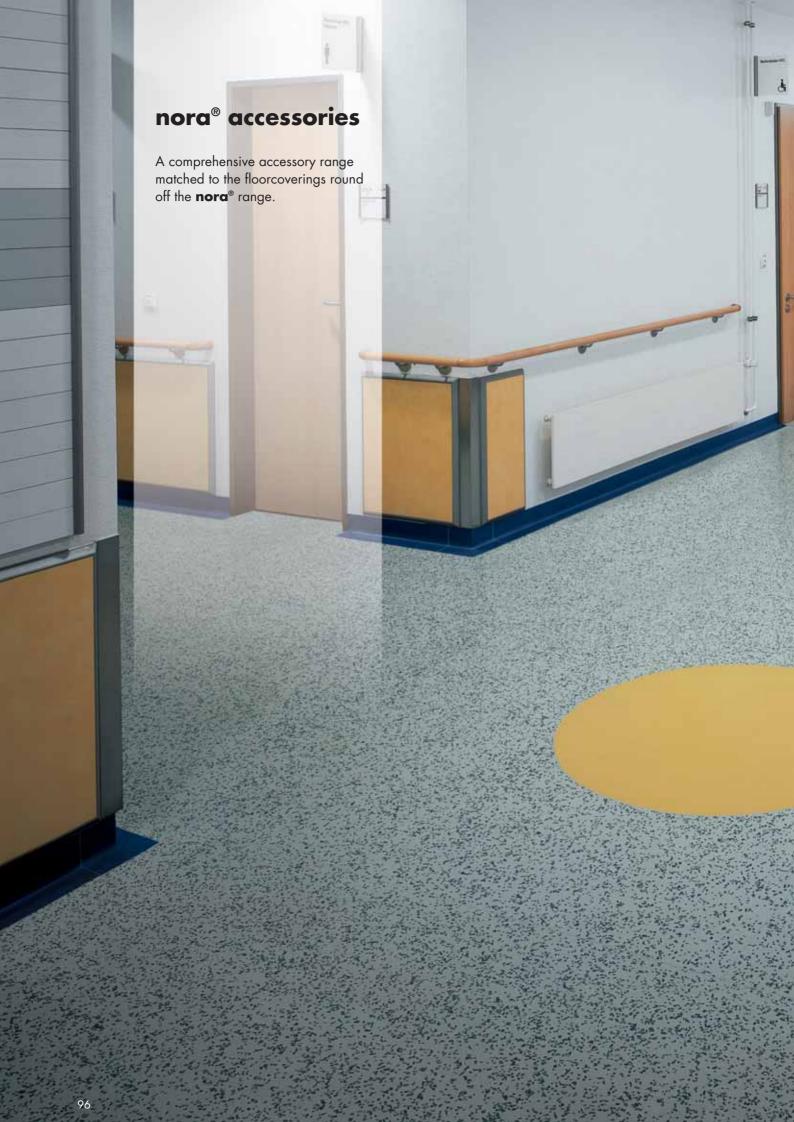




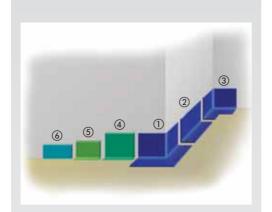
nora® accessories colour range



Colours		nora® sta	ir nosings		nora® stair angles	nora® skirting	nora® stringer
	T 5044 A/C	T 5044 E/F	T 5049 A/C	T 5049 E/F	TG 7003 U TG 7004 U TW 7005 U TW 7006 U	S 1008 U	A 5013 U
				_			
0007					•	•	•
0214					•	•	•
0702	•	•	•	•	•	•	•
0716	•	•			•	•	•
0749	•	•	•	•	•	•	•
0862					•	•	•
0884			•	•	•	•	•
0890					•	•	•
2079	•	•	•	•	•	•	•
1780	•	•			•	•	•
0733	•	•	•	•	•	•	•
2076	•	•	•	•	•	•	•
1150					•	•	•
1150					•	•	•
1593			•	•	•	•	•
1156					•	•	•
1341					•	•	•
1146	•	•	•	•	•	•	•
2680					•	•	•
2681					•	•	•
2679					•	•	•



nora® accessories







nora® accessories

Accessory range made of rubber matched to suit norament® and noraplan® floorcoverings for convincing problem solutions both in visual and functional terms. Easy to clean, suitable for areas with high hygienic requirements. The materials are impact- and shock-resistant, do not contain any plasticizers and retain their functional reliability on a lasting basis.

nora® skirting S 3003 and skirting angles SI 7001 / SA 7002

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

Delivered as:

SA 7002 and **SI 7001**: as pieces **\$ 3003**: in rolls of 10 r.m.

nora® skirtings

S 1023 U / S 1024 U

For areas with high requirements in terms of appearance and hygiene. The permanently resilient sealing lip of S 1023 U and S 1024 U reliably accommodates pastille heights of up to 1 mm. Also optimally suitable as wall stringer with raised-access floors.

Supplied as: in rolls of 10 r.m.

nora® skirting S 1008 U

Adjoining skirting for **nora**® stair angles "TW". Supplied as: in rolls of 10 r.m.

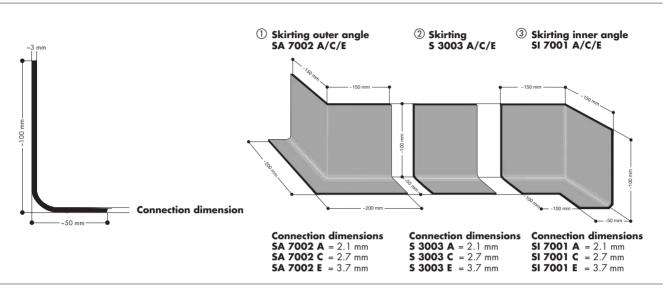
nora® cushioned-edge profile H 9010

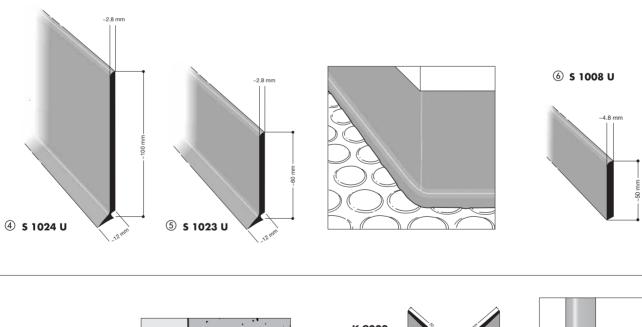
For optimum transition between the noraplan® floorcoverings and the wall.

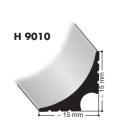
nora® margin and angle guard K 9022

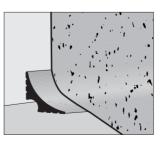
Impact-resistant and shock-proof margin guard to protect persons, wall angles, transport means.

Delivery unit: 2 m

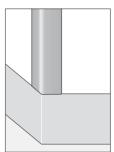












nora® Profix dry adhesive tapes

nora® Profix 50

For quick installation of skirting S 1023 U.

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).

nora® wall guard W 9001

Gives optimum protection to walls, beds, equipment etc.

nora® hot welding rod for noraplan®

Can be delivered in all colours to match the **noraplan**® floorcovering colours.

Since **noraplan**® floorcoverings 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 due to the floorings' high resilience. 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 where stringent requirements must be met with regard to hygiene, or for special requirements, e.g. in laboratories. In operating theatres or on other small **noraplan**® surfaces where the joints of the skirtings are sealed with **nora**® two-component joint sealing compound, to simplify the working procedures involved you can also seal the joints of these surfaces with the **nora**® joint sealing compound.

Article 946

round, Ø 4 mm, rolls of 100 r.m.

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 use on other floorcoverings.

Supplied: in rolls of 10 r.m.





Wall nosings with **noraplan**® rubber floorcovering



nora® 2-component joint sealing compound TH for norament®

For colours, please see the colour matrix on pages 108/109.

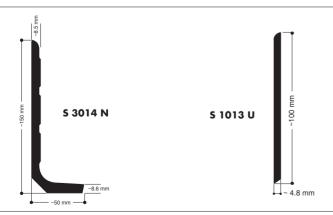
Since **norament**® floorcoverings do not contain any plasticizers, there is no shrinkage after installation. This is why the floorings do not have to be sealed. However, it is advisable to seal the joints in case of dampsensitive subfloors, in rooms permanently undergoing intensive wet cleaning, or in areas with special hygienic requirements. For these special requirements, the sealing of all **norament**® floorings is suitable, with exception of **norament**® **992** and **norament**® **992** grano.

Article 921 820 g basic compound

Article 919 180 g hardener

Plastic one-way cartridge, sufficient for approx. 20 – 40 r.m. (depending on width of joints).

Please note: Special joint cutter (Article No. 95623) and special stirring spindle (Article No. 91052) for drill can be obtained from us.



nora® accessories colour range

Colours	nora® skirtings			no	ra® skirtin	gs	nora®	nora®	nora® joint
	1			and s	kirting an	gles	wall guard	margin and angle guard	sealing compound
				SA 7002 A S 3003 A	SA 7002 C S 3003 C	SA 7002 E S 3003 E	goura	aligie goara	Art.
	S 1023 U	S 1024 U	S 1008 U	SI 7001 A	SI 7001 C	SI 7001 E	W 9001	K 9022	921/919
	4	1					1		
			1						
	J		J						
		,					<u> </u>	40*	
0007			•						•
0170	•							•	•
0214	•	•	•						
0702		•	•						
0716	•	•	•						•
0733			•						
0749	•	•	•						•
0805 0862	•		•						•
0862									
0884	•								
0890									
1146	•						•		*1253
1150									*1254
1156	•					•			*1256
1276		•							
1279	•	•							
1341			•			•			•
1346	•	•							
1361	•	•							
1384	•					•			*1238
1385	•	•		•	•			•	•
1400	•			•		•			•
1401									•
1406	•	•		•		•			•
1413	•	•		•	•	•			•
1578	•	•		•	•				•
1581	•	•		•	•				•
1582									•
1584	•			•	•				•
1585	•				•				•
1591 1593									
1780	•	•	•			•			•
1810									
1843									•
1844									
1845	•								•
1848									
1862	•								
2076			•						
2078	•								
2079			•						
2092									•
2099	•	•							

Colours	nora® skirtings			no	ora® skirtin	ıgs	nora®	nora®	nora® joint sealing	
				and	skirting ar	ngles	wall guard	margin and angle guard	sealing compound	
				SA 7002 A S 3003 A	SA 7002 C S 3003 C	SA 7002 E S 3003 E	goura	diigie godia	Art.	
	S 1023 U	S 1024 U	S 1008 U	SI 7001 A	SI 7001 C	SI 7001 E	W 9001	K 9022	921/919	
		1					1			
			1							
	J		J					40		
	,	,					l	40"		
2120						•			•	
2171	•			•						
2216	•	•					•			
2302		•								
2380 2382				•						
2384									•	
2390										
2392										
2395										
2398										
2600									•	
2601									•	
2602									•	
2603									•	
2604	•	•							•	
2631	•	•								
2634	•	•								
2635	•									
2636	•	•								
2645	•	•								
2656	•									
2662		•							•	
2664										
2666				•					•	
2667								_		
2668 2669									•	
2670	•									
2671									*1742	
2672									•	
2674										
2675	•	•							•	
2676										
2677									•	
2678									•	
2679	•	•	•						•	
2680	•		•						•	
2681	•		•						•	
2682									•	
4638	•					•			•	
4640						•			•	
4752	•									
4753	•									

^{*} Please use the colour numbers stated when ordering these colours for joint sealing compound. For available combinations of profile colours and floorcoverings, please visit www.nora.com

Technical data norament®

Properties acc. to EN 1817/EN 12 199	Test method	Requirements	Average test results from running production											
			925	925 strada 925 grano 925 lago 925 serra	825	986 luxor	986 cara 986 metro	926 xi	992 992 grano	923 923 grano	928 al	928 al grano 928 al lago	927 el grano	945 grano
Thickness	EN 428	Mean value ± 0.20 mm of nominal value EN 12 199	4 mm		3.2 mm (Art. 1902)		3.5 mm (metro)	354=4 mm 379+1968 =5 mm	9 mm (Art. 1956)	4 mm (Art. 354)	4 mm			
		Mean value ± 0.15 mm of nominal value EN 1817		3.5 mm	2.7 mm (Art. 1910)	3.5 mm	3.5 mm (cara)		9 mm (Art. 1955)	3.5 mm (Art. 1880)		3.5 mm	3.5 mm	22 mm
Dimensional stability	EN 434	± 0.4 %	~					± 0.3	3% —					>
Tear strength	ISO 34-1 method B, procedure A	Mean value ≥ 20 N/mm	38 N/mm	38 N/mm	40 N/mm	45 N/mm	38 N/mm	40 N/mm	40 N/mm	50 N/mm	40 N/mm	40 N/mm	40 N/mm	38 N/mm
Cigarette-burn resistance	EN 1399	Procedure A (stubbed out) level ≥ 4 Procedure B (burning) level ≥ 3	~	—fulfilled—	-	-	-	←			— fulfilled –			—
Flexibility	EN 435, procedure A	Mandrel diameter 20 mm, no fissuring	~					fulfil	led —					-
Hardness	ISO 7619	≥ 75 Shore A	85 Shore A	85 Shore A	88 Shore A	92 Shore A	85 Shore A	80 Shore A	72 Shore A	93 Shore A	81 Shore A	81 Shore A	86 Shore A	84 Shore A
Residual indentation	EN 433	Mean value \leq 0.25 mm at thickness \geq 3.0 mm Mean value \leq 0.20 mm at thickness \leq 3.0 mm	0.15 mm	0.15 mm	0.15 mm	0.10 mm	0.15 mm	0.20 mm	0.30 mm	0.15 mm	0.15 mm	0.15 mm	0.10 mm	0.20 mm
Abrasion resistance at 5 N load	ISO 4649, procedure A	≤ 250 mm³	115 mm ³	115 mm ³	140 mm ³	110 mm ³	115 mm ³	115 mm ³	90 mm ³	125 mm ³	105 mm ³	105 mm ³	90 mm ³	115 mm ³
Colour fastness to artificial light	EN 20 105-B02, procedure 3, test conditions 6.1 a)	at least level 6 on the blue scale level \geq 3 on the grey scale (= 350 MJ/m²)	~				— grey sco	ale ≥ level 3 ac	c. to EN 20 10	5-A02 —		'		
Additional technical properties														
		Residential	21 - 23	21 - 23	21 - 23	21 - 23	21 - 23	21 - 23	21 - 23	21 - 23	21 - 23	21 - 23	21 - 23	21 - 23
Classification	EN 685	Commercial Industrial	31 - 34 41 - 43	31 - 34 41 - 43	31 - 32 41	31 - 34 41 - 43	31 - 34 41 - 43	31 - 34 41 - 43	31 - 34 41 - 43	31 - 34 41 - 43	31 - 34 41 - 43	31 - 34 41 - 43	31 - 34 41 - 43	31 - 34 41 - 43
Fire behaviour	DIN 4102		B1	B1	B1	B1	B1	B1	B2	B1	B1	B1	B2	B1
	EN 13 501-1		C _{ff} s1	C _{ff} s1	C _{ff} s1	C _{ff} s1	C _{ff} s1	C _{ff} -s1	C _{ff} -s2	B _{fl} s1	C _{ff} s1	C _{ff} s1	C _{ff} s2	B _{fi.} s1
Toxicity of fire gases	DIN 53 436		-	-	-	-	-	-	-	cc	irbonisation ga are non-toxic	ses	-	-
Anti-slip properties	DIN 51 130	according BGR 181	R 9	R 9 strada=R 10	R 9	R 10	R 9 metro=R 10	R 9 1968=R 10	R 9	R 9	R 9	R 9	R 9	R 9
Slip resistance properties in bare- foot areas affected by humidity	DIN 51 097	as per grading class	A; B; C	strada: A; B	-	-	-	-	-	-	-	-	-	-
Improvement in footfall sound absorption	ISO 140-8		12 dB	10 dB	1902=9 dB 1910=6 dB	8 dB	8 dB	354=12 dB 379+1968 =15 dB	15 dB	354=12 dB 1880= 10 dB	12 dB	10 dB	10 dB	18 dB
Effect of chemicals	EN 423		~				sistant depend	ding on concent	ration and time	e of exposure*	· —			
Thermal conductivity	DIN 52 612		0.39 W/mK	0.35 W/mK	0.43 W/mK	0.40 W/mK		0.42 W/mK able for underflo			0.40 W/mK	0.40 W/mK	0.56 W/mK	
Electrical insulation properties	IEC 60093 VDE 0303 T.30		> 10 ¹⁰ Ohm	> 10 ¹⁰ Ohm	> 10 ¹⁰ Ohm	> 10 ¹⁰ Ohm	> 1010 Ohm	1010 Ohm	> 10 ¹⁰ Ohm	> 10100hm	electric	al behaviour se	ee below	> 1010 Ohm
Electrical propensity when walked upon	EN 1815		-		- antistatic, o	harging in case	of rubber sole	es < 2 kV —		-	charging in	antistatic, case of rubber	soles < 1 kV	antistatic < 2 kV
Effect of a castor chair	EN 425		~			suite	ble if castor wl	heels, type W, o	according to EN	12 529 are us	ed —			-
Electrical behaviour **														
Resistance to EPA ground	ESD STM 7.1-2001	measuring the installed floor at 23 °C (± 2 °C) and ≥ 25 % r.h.	-	-	-	-	-	-	-	-	106 - 93	x 10 ⁷ Ohm	< 10 ⁶ Ohm	-
		measuring the installed floor at 23 °C (± 2 °C) and < 25 % r.h., installed on an appropriate subfloor build up	-	-	-	-	-	-	-	-	104 - 10	9 Ohm***	< 10 ⁶ Ohm	-
Operator system – Resistance to ground	ESD STM 97.1-1999	for the system floor/ conductive footwear (R < 5 x 10 ⁶ Ohm)	-	-	-	-	-	-	-	-	≤ 3.5 x	10 ⁷ Ohm	< 3.5 x 10 ⁷ Ohm	-
Body voltage generation	ESD STM 97.2-1999	tested with defined conductive footwear with 21 °C and 20 % r.h.	-	-	-	-	-	-	-	-	<	10 V	< 10 V	-
Resistance to EPA ground	IEC 61340-4-1:2003	measuring the installed floor at 23 °C (± 2 °C) and ≥ 25 % r.h.	-	-	-	-	-	-	-	-	106 - 9	x 10 ⁷ Ohm	< 10 ⁶ Ohm	-
		measuring the installed floor at 23 °C (± 2 °C) and < 25 % r.h., installed on an appropriate subfloor build up	-	-	-	-	-	-	-	-	106 - 10	° Ohm***	< 10 ⁶ Ohm	-
Resistance to EPA ground	IEC 61340-5-1:2001 table 1, note 2	for the system floor/ conductive footwear (R < 5 x 10 ⁶ 0hm)	-	-	-	-	-	-	-	-	≤ 3.5 x	10 ⁷ Ohm	< 3.5 x 10 ⁷ Ohm	-
Resistance to earth	EN 1081:1998		-	-	-	-	-	-	-	-	106 - 9	x 10 ⁷ Ohm	< 10 ⁶ Ohm	-
Insulation resistance	VDE 0100 / T.610 / CENELEC HD 384.6.61 S2:2003		-	-	-	-	-	-	-	-	≥ 5 x	104 Ohm	-	-
Resistance to ground	ASTM F 150:1998		-	-	-	-	-	-	-	-	106 -	108 Ohm	< 10 ⁶ Ohm	-
Surface resistance	(100 V and 500 V=)			_		_	_		-		106 - 5		< 10 ⁶ 0hm	_

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

In case of increased impact of oils, greeze, acids, elkalis and other aggressive chemicals-please contact us.

If installed electrically dissipative and conductive in conformity with our installation instruction and exceeding to the recommendations of the othersive manufacturer.

The used odhersive has to have a permanent resistance of R < 3 x (10° thm according to B1 13 415.

If extremely two hundrity values (< 52° shelter as hundrity ch. 43) are expected for a longer period, please contact Freudenberg Building Systems, Technical Service, for odvice.

EN 1817: Specification for homogeneous and heterogeneous smooth elastomer floorcoverings EN 12199: Specification for homogeneous and heterogeneous profiled elastomer floorcoverings

Technical data

noraplan®

EN 434 EN 1399 435, procedure A ISO 7619 EN 433	± 0.4 % Procedure A (stubbed out) level ≥ 4 Procedure B (burning) level ≥ 3 Mandrel diameter 20 mm, no fissuring ≥ 75 Shore A Mean value ≤ 0.15 mm at thickness < 2.5 mm Mean value ≤ 0.20 mm at thickness ≥ 2.5 mm acoustic: Mean value ≤ 0.25 mm	92 Shore A 0.05 mm	a not significant of the signifi	00	EE 0.3 % — fulfi	stone acoustic mega acoustic	stone al 2.0 mm mega al 2.0 mm plus al 2.0 mm plus al 3.5 mm	duo el		
EN 1399 1435, procedure A 150 7619 EN 433	Procedure A (stubbed out) level ≥ 4 Procedure B (burning) level ≥ 3 Mandrel diameter 20 mm, no fissuring ≥ 75 Shore A Mean value ≤ 0.15 mm at thickness < 2.5 mm Mean value ≤ 0.20 mm at thickness ≥ 2.5 mm	92 Shore A 0.05 mm				lled —		>		
1 435, procedure A 150 7619 EN 433	Procedure B (burning) level ≥ 3 Mandrel diameter 20 mm, no fissuring ≥ 75 Shore A Mean value ≤ 0.15 mm at thickness < 2.5 mm Mean value ≤ 0.20 mm at thickness ≥ 2.5 mm	92 Shore A 0.05 mm			fulfi	lled				
ISO 7619 EN 433	≥ 75 Shore A Mean value ≤ 0.15 mm at thickness < 2.5 mm Mean value ≤ 0.20 mm at thickness ≥ 2.5 mm	92 Shore A 0.05 mm	92 Shore A					>		
EN 433	Mean value ≤ 0.15 mm at thickness < 2.5 mm Mean value ≤ 0.20 mm at thickness ≥ 2.5 mm	0.05 mm	92 Shore A		fulfilled			>		
	at thickness < 2.5 mm Mean value ≤ 0.20 mm at thickness ≥ 2.5 mm			92 Shore A	92 Shore A	85 Shore A	92 Shore A	90 Shore A		
4649, procedure A	at thickness ≥ 2.5 mm		0.05 mm	0.06 mm	-	-	0.05 mm (2.0 mm)	-		
4649, procedure A	4005110 1110411 T4100 — 0.25 111111	-	-	-	0.05 mm	- 0.20 mm	0.05 mm (3.5 mm)	0.03 mm		
	≤ 250 mm ³	200 mm ³	200 mm ³	230 mm ³	200 mm ³	150 mm ³	180 mm ³	150 mm ³		
EN 20 105-B02, procedure 3, t conditions 6.1 a)	at least level 6 on the blue scale level ≥ 3 on the grey scale (= 350 MJ/m²)	•		grey sco	le ≥ level 3 acc. to EN 20 1	05-A 02 —				
EN 685	Residential Commercial	21 - 23 31 - 34	21 - 23 31 - 34	21 - 23 31 - 34	21 - 23 31 - 34	21 - 23 31 - 33	21 - 23 31 - 34	21 - 23 31 - 34		
	Industrial	41 - 42	41 - 42	41 - 42	41 - 43	-	2.0 mm 41 - 42 3.5 mm 41 - 43	41 - 43		
DIN 4102		◄			B1			-		
		~	C _{fl}			B _{fl} -s1	C _{fl} -s1	B _{ff} -s1		
DIN 53 436		⋖		(0	bonisation gases are non-to	oxic —		>		
DIN 51 130	according BGR 181	R 9	stone: R 10 grip: R 10 other: R 9	R 9	R 9	R 9	R 10	R 9		
DIN 51 097	as per grading class	not tested	grip: A, B, C stone: A, B other: not tested	-		not tested ——				
ISO 140-8		6 dB	6 dB	5 dB	8 dB	20 dB	2.0 mm = 6 dB 3.5 mm = 10 dB	6 dB		
EN 423		~						>		
		0.61 W/mK	0.61 W/mK				0.54 W/mK 0.45 W/mK			
VDE 0303 T.30		>1010 Ohm	>1010 Ohm	>10 ¹⁰ Ohm	>10 ¹⁰ 0hm	>1010 Ohm		electrical behaviour see below		
		~	antistatic, c			>	antistatic, charging in case of rubber soles < 1 kV			
EN 425		~		suitable it castor w	heels, type W, according to I	N 12 529 are used		>		
SD STM 7.1-2001	measuring the installed floor at 23 °C (\pm 2 °C) and \geq 25 % r.h.	-	-	-	-	-	10 ⁶ - 9 x 10 ⁷ Ohm	< 10° 0hm		
	measuring the installed floor at 23 °C (± 2 °C) and < 25 % r.h., installed on an appropriate subfloor build up	-	-	-	-	-	10 ⁶ - 10 ⁹ Ohm***	< 10° Ohm		
D STM 97.1-1999	for the system floor/ conductive footwear (R < 5 x 10° 0hm)	-	-	-	-	-	≤ 3.5 x 10 ⁷ Ohm	< 3.5 x 10 ⁷ Ohm		
D STM 97.2-1999	tested with defined conductive footwear with 21 °C and 20 % r.h.	-	-	-	-	-	< 10 V	< 10 V		
C 61340-4-1:2003	measuring the installed floor at 23 °C (\pm 2 °C) and \geq 25 % r.h.	-	-	-	-	-	10 ⁶ – 9 x 10 ⁷ Ohm	< 10° Ohm		
	measuring the installed floor at 23 °C (± 2 °C) and < 25 % r.h., installed on an appropriate subfloor build up	-	-	-	-	-	10° - 10° Ohm***	< 10° 0hm		
C 61340-5-1:2001 table 1, note 2	for the system floor/conductive footwear (R $< 5 \times 10^6$ Ohm)	-	-	-	-	-	≤ 3.5 x 10 ⁷ 0hm	< 3.5 x 10 ⁷ Ohm		
EN 1081:1998		-	-	-		-	106 - 9 x 107 Ohm	<10 ⁶ 0hm		
00 / T.610 / CENELEC 384.6.61 S2:2003		-	-	-	-	-	≥ 5 x 10 ⁴ 0hm	-		
STM F 150:1998 00 V and 500 V=)		-	-	-	-	-	10° - 10° Ohm 10° - 5 x 10° Ohm	< 10 ⁶ Ohm****		
	EN 685 DIN 4102 EN 13 501-1 DIN 53 436 DIN 51 130 DIN 51 097 ISO 140-8 EN 423 DIN 52 612 IEC 60093 VDE 0303 T.30 EN 1815 EN 425 D STM 7.1-2001 D STM 97.1-1999 D STM 97.2-1999 1 61340-4-1:2003 61340-5-1:2001 Table 1, note 2 BO 0 /T.610 / CENELEC 384 6.61 52:2003 STM F 150:1998	Residential Commercial	Residential 21 - 23	EN 685 Residential 21 - 23 21 - 23	Residential 21 - 23	Residential 21 - 23	Breademinal 21 - 23	Bit 685 Residential		

In case of increased impact of ais, greas, acids, elkalis and other aggressive chamicals please contact us.

"If installed destrictely designative and conductive in conformity with our installation instruction and according to the recommendations of the adhesive manufacturer.

The used adhesive has to have a permanent resistance of R < 3 x (10° tilms according to B11 3 x (15° til

^{****} Special article according to NFPA 99, Art.No. 173/273 $\,$ noraplan** duo el NFPA on request: Resistance to ground > 2.5 x 10*- 10* 0 lm



Please note:

norament® and noraplan® have been developed for indoor installation. **nora**® floorcoverings are not suitable for installation in outdoor applications or in particularly wet areas.

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 floorcoverings may encounter.

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

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

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