



RUBBER FLOORING
SOLUTIONS FOR YOUR
SPORTS FACILITIES

nora[®]

Versatile like decathletes and lasting like marathon runners

The world of sports has many facets, it is complex and versatile. And because even the most successful high-flying athletes need to be on firm ground once in a while, nora® has the perfect solution for sports applications.

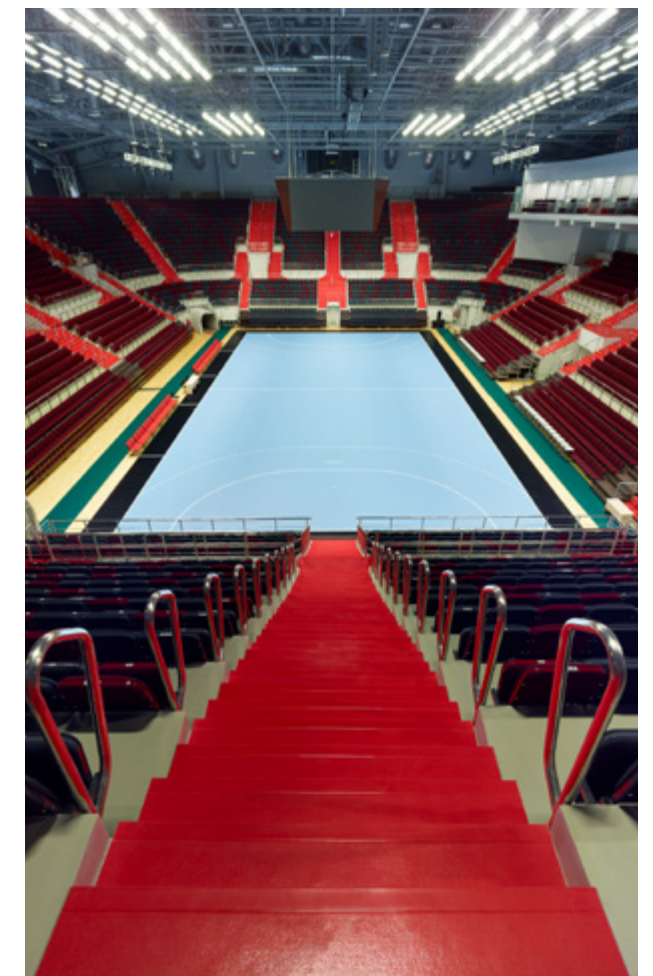
Be it floor coverings which protect the joints, which ensure top performance for athletes, which convince through their anti-slip and walking safety characteristics and also offer fatigue-free walking. Or floor coverings which cope with the highest traffic load. Which are not damaged neither by spikes nor by skate runners and which cushion bullets from guns and pistols.

Versatile like decathletes and lasting like marathon runners, permanently resilient and always in great shape – nora® floor coverings made of rubber are absolutely predestined for use in the extremely demanding segment of special sports floor coverings and adjacent areas. And this has been proven in various soccer World Cup stadiums or Olympic arenas. With more than 300 colours and styles available, we merge function and aesthetic appeal to meet the unique demands of your sports facility.



Exploit the benefits of rubber for the use in your sports facility

- Outstandingly wear-resistant and durable
- Free from PVC, halogens (e.g. chlorine) and plasticizers (phthalates)
- Excellent anti-slip and cushioning properties
- Easy to clean and maintain
- No need to coat / seal resulting in significant savings
- Resistant to scuffing from shoes and wheels
- Fewer friction burns / injuries caused by falling
- Resistant to cigarette burns – no surface damage
- Also suitable for roller sports, roller and inline hockey, safer skating courses and speed skating – after consultation with nora systems
- Outstanding fire-protection properties: flame-retardant, Bfl-s1 fire rating in line with EN 13 501-1. In case of fire, the low-temperature carbonisation gases that occur are nontoxic in line with DIN 53 436
- Environmentally friendly, no disposal difficulties
- Customized logos or any other shape – perfect dimensional stability, no joint sealing necessary



Rubber floor coverings handle the toughest activities

Stadiums and multi-purpose arenas

nora® rubber floor coverings are used world-wide in traffic and adjacent areas of large sports stadiums and arenas. These areas are subject to high traffic load. In this respect, the resistance to wear, the long lifetime, and the easy cleaning of noraplan® and norament® floor coverings pay off. Even after years of intensive use, almost no wear marks are visible. Our norament® floor coverings are particularly suitable for very heavy traffic surfaces in stadiums.

Entrance areas

Sports facilities and fitness centers operate in a competitive environment where it's important to make a strong impression. Plus, it's crucial to avoid slippage in entryways that get wet from rain or snow. Durable, easy to clean and slip-resistant, nora® floor coverings are available in many different designs and with custom-made inlays to turn in an impressive performance.

Horseracing and stable areas

Thanks to its cut and gouge resistant surface nora® floorings are ideal for horse stables and any other horseracing areas. The high wear resistance protects the horseshoes and the resilient product contributes to a noise reduction within the stables.

Inlays

With an ultrasonic cutting technology a precise manufacturing of customized logos or any other shape can be achieved - perfect dimensional stability, no joint sealing necessary.



Ice rinks

The high rubber content in nora® floor coverings make it the ideal cut-resistant and slip-resistant surface for ice skate blades when skaters are walking or standing around the rink. Especially in these areas impact resistance and point resilience are required.

Corridors and staircases

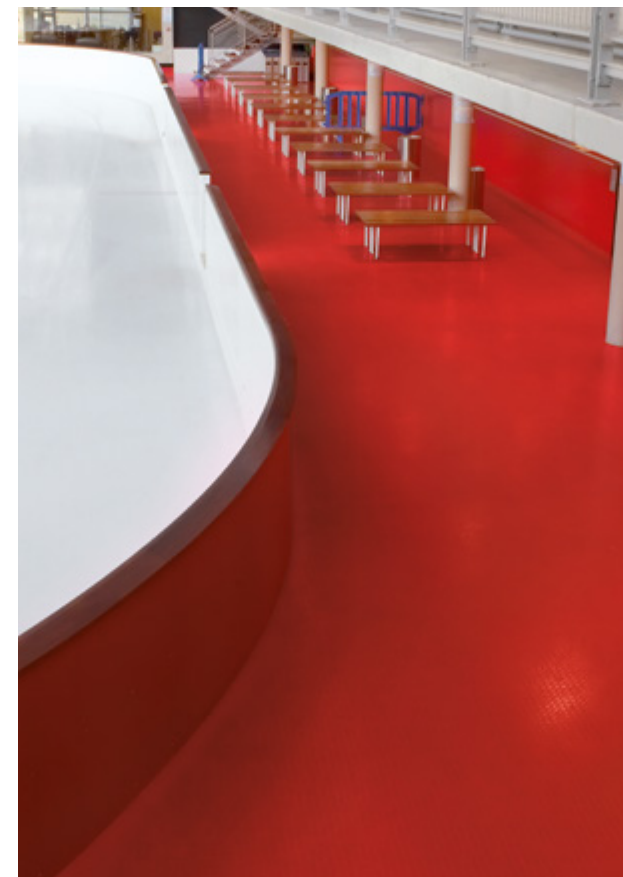
Corridors and staircases are often used as escape routes and therefore have to feature special fire-safety properties. In addition, these areas are usually highly frequented; therefore have to be extraordinarily wear-resistant and feature very good cleaning behaviour.

Changing rooms

Safety is a priority in changing rooms and shower drying areas where water droplets and puddles can create slippery conditions. That's why floor coverings are to be used with slip resistance classification R10 or R11 and A & B.

Cafeterias

Cafeterias are meeting places where the focus is on a pleasant atmosphere; therefore there are special demands on design and colouring for the floor covering. In addition there are often smoking zones in these areas, which require cigarette-burn resistance.





Sports halls and multipurpose halls

noraplan® sentica is tested in line with EN 14 904:2006-06 and fulfils all requirements for playing areas. nora® rubber flooring provides excellent anti-slip and cushioning properties. The risk of friction burns or skin damage due to falling is very low.




6505



6521

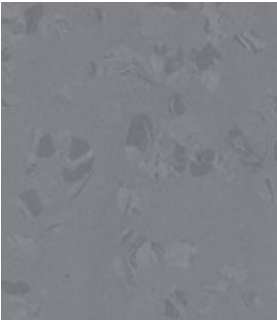
noraplan® sentica
(tested in line with EN 14 904:2006-06)
High-performance rubber floor coverings containing iridescent, marbled colour granules with a subtle contrast to the base colour

 $\pm \sim 2.0 \text{ mm}^*$
nora® profile connection dimension: A + U

 $\pm \sim 3.0 \text{ mm}^{**}$
nora® profile connection dimension: D + U

Dimensions and information on the application of sports hall line markings on request.

* Available in all colours without a minimum order quantity.
** Available in colours 6521, 6526 and 6529 without a minimum order quantity.
Colour 6505 is subject to a minimum order quantity of 1200 m².



6526



6529



Fitness studios







Modern fitness studios are a combination of sports facility, leisure centre and spa. Therefore, the floor coverings must be both extremely durable yet also contribute to creating an inviting ambiance.

We particularly recommend our floor coverings norament® 926, norament® 926 grano, norament® 926 satura and norament® 926 arago for areas in which fitness equipment is set up. These floor coverings provide the widest range of designs and colours combined with great underfoot comfort and high durability.

For particularly joint-friendly exercise and sport-ing activities, such as gymnastics or aerobics, we recommend using acoustic flooring (nora-plan® stone acoustic, noraplan® sentica acoustic or noraplan® signa acoustic) with a special shock-absorbing and footfall-absorbing under-lay (20-dB footfall sound absorption improve-ment).



Areas of application

<div>Multi-purpose halls Stadium Ice rinks Golf clubhouses Shooting ranges Fitness studios</div>													
<div></div>													
Multi-purpose halls	Adjacent areas	Traffic areas/Surfaces	Adjacent areas	Areas with skates traffic	Adjacent areas	Areas with spikes traffic	Adjacent areas	Shooting areas	Adjacent areas	Group exercise areas	Fitness areas	Free weights/ weight lifting areas	
■	■	■	■		■		■		■		■		norament® 926
■	■	■	■		■		■		■		■		norament® 926 satura
■	■	■	■		■		■		■		■		norament® 926 grano
■	■		■		■		■		■	■	■		noraplan® sentica
	■		■		■		■		■	■	■		noraplan® signa
	■		■		■		■		■		■		noraplan® stone
	■		■		■		■		■	■	■		noraplan® eco
	■		■		■		■		■	■	■		noraplan® uni *)
				■		■						■	norament® 992
				■		■						■	norament® 992 grano
								■					norament® 945 grano

■ Main areas

■ Adjacent areas

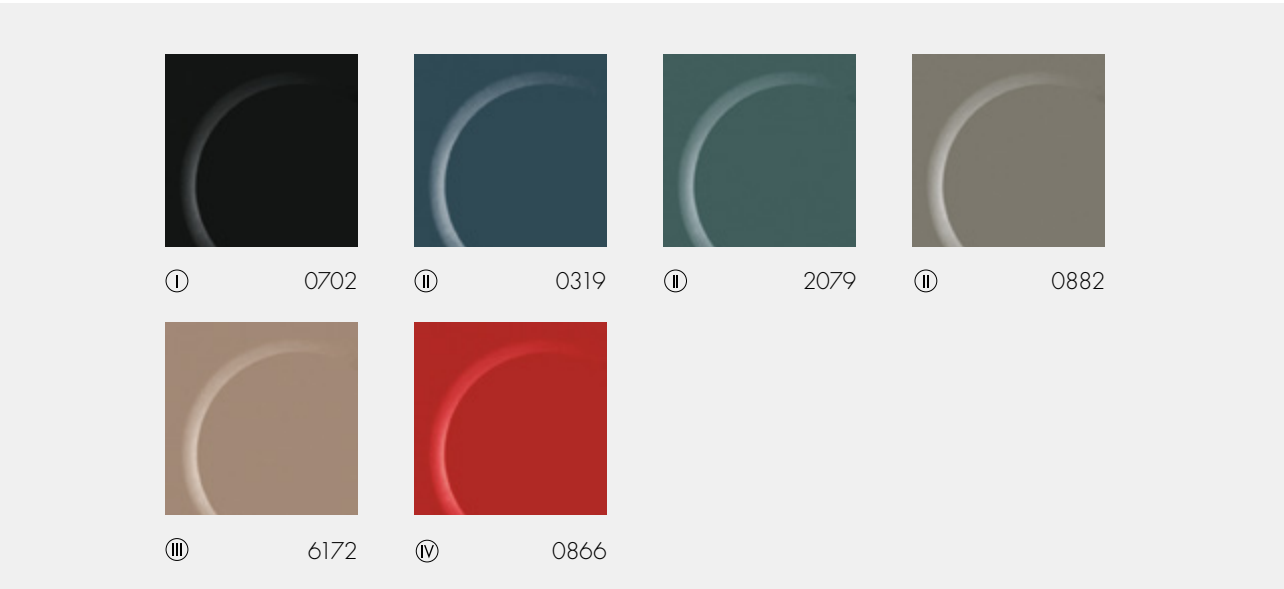
*) Suitable for margins and inlays



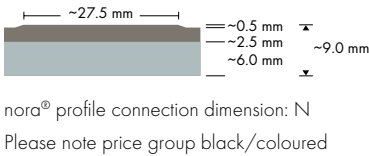
norament® 992/992 grano

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

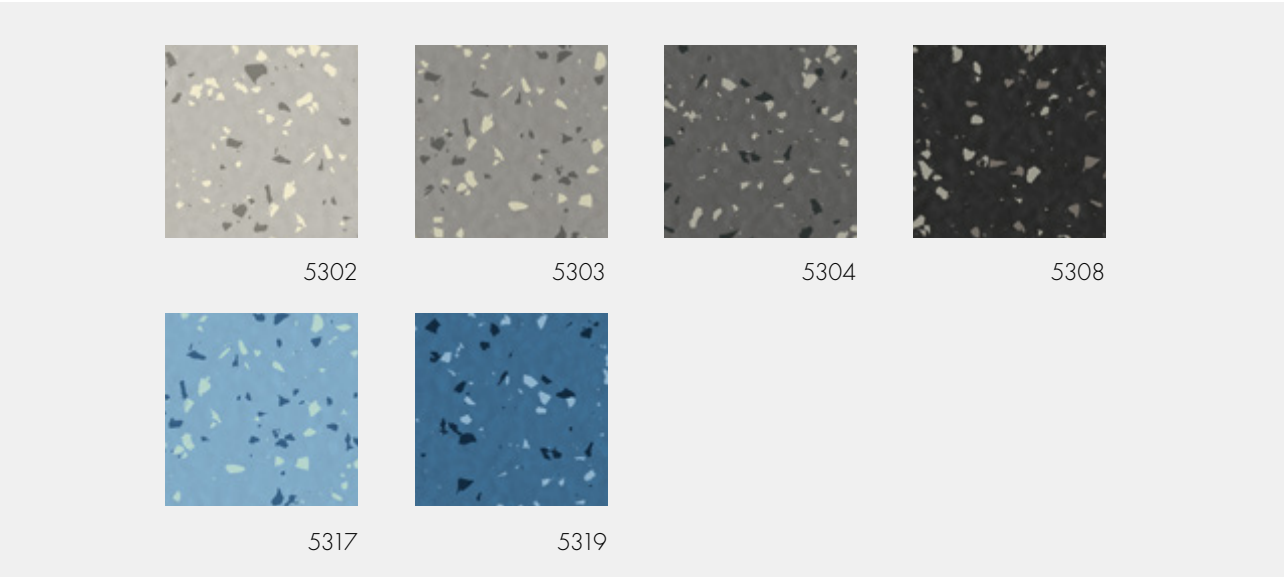
norament® 992
Round pastille



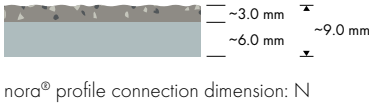
norament® 992
6
Art. 992/1956
□ ~1002 mm x 1002 mm



norament® 992 grano
Hammerblow surface



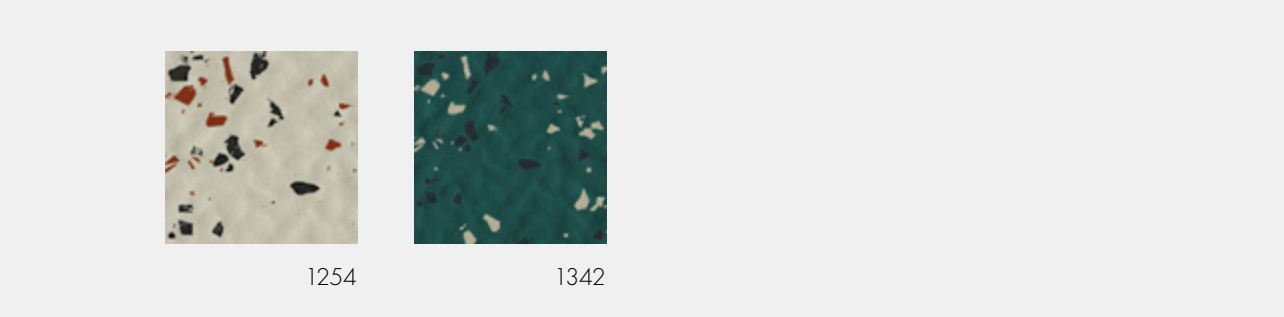
norament® 992 grano
6
Art. 992 grano/1955
□ ~1002 mm x 1002 mm



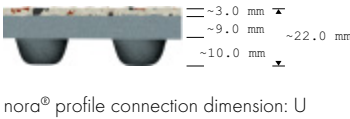
norament® 945 grano

Rubber flooring with high percentage of recycled materials. norament® 945 grano for protection and safety in indoor shooting facilities.

norament® 945 grano
Hammerblow surface



norament® 945* grano
2
Art. 945 grano/1938
□ ~1002 mm x 1002 mm



*This material is not part of the standard product range. Please contact your responsible nora representative office for further information.

Safety in indoor shooting ranges knows no compromises. norament® 945 grano meets this demand in several aspects:

- passed the bombardement test for rebound and ricochet behavior
- meets the requirements for classification in class Bfl-s1 according to EN 13501-1
- offers the shooter a stable and safe foothold
- distinguishes itself by its wear resistance and long lifetime



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 grano

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

Stairtread norament[®] 926 satura

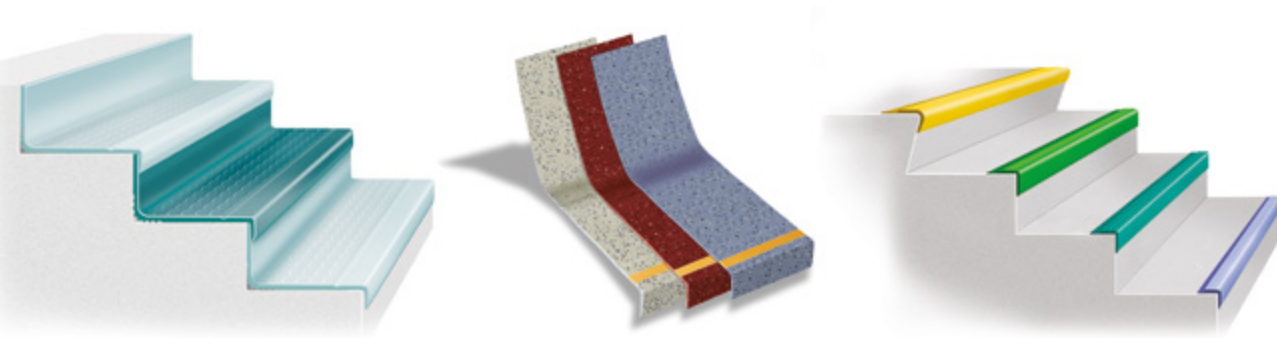
Tone-in-tone granular design with a hammerblow surface, footfall sound absorption improvement of 12 dB.

norament[®] stairtreads with signal or safety stripes

norament[®] stairtreads can be equipped with signal or safety stripes.

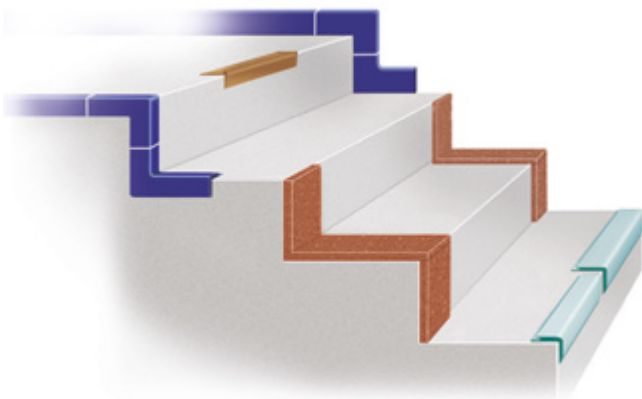
nora[®] stair nosings

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



nora[®] accessories for stairwell areas

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.



Selected international references

Project	Country	Product
Chizhovka-Arena	Belarus	norament [®] 992
Estádio Fonte Nova	Brazil	norament [®] 825 hammerblow norament [®] 926 stairtreads
Arena Castelão	Brazil	noraplan [®] signa noraplan [®] stone norament [®] 825 norament [®] 926 stairtreads
Estádio de Recife	Brazil	norament [®] 825
Estádio Verdão Cuiabá	Brazil	norament [®] 825
Allianz Arena	Germany	norament [®] 926 norament [®] 992 noraplan [®] stone
SAP Arena	Germany	norament [®] 926 grano
Beijing Water Cube	China	noraplan [®] mega
Shayba Small Ice Arena	Russia	norament [®] 992 grano
BLA - Bolshaya Ledovaja Ice Arena	Russia	norament [®] 923 grano norament [®] 926 grano norament [®] 992 grano
LDS - Ice Palace for Figure Skating	Russia	norament [®] 825 norament [®] 925 norament [®] 992 norament [®] 926 stairtreads
Mountain Resort Alpica-Service	Russia	norament [®] 926 grano norament [®] 926 stairtreads norament [®] 926 serra noraplan [®] sentica noraplan [®] ultra grip noraplan [®] uni
Basketball Center Sibur Arena	Russia	norament [®] 825 norament [®] 926 stairtreads
Stadium Otkrytie Arena, FK Spartak	Russia	norament [®] 926
Ice Arena Salavat Yulaev	Russia	norament [®] 992
Legend Ice Palace Arena	Russia	norament [®] 992 grano noraplan [®] signa
Winter Sports Center Siberian Pearl	Russia	norament [®] 926 norament [®] 926 stairtreads
Patinoire de Pailleron - Ice Arena	France	norament [®] 992 norament [®] 825
Soccer City Stadium	South Africa	norament [®] 825 hammerblow
Rand Stadium	South Africa	norament [®] 825 norament [®] 825 hammerblow

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