

Certified quality products
for orthopaedic shoe
engineering, general
orthopaedics, and shoe
repairs

Product range



sustainable

nora®

ecological

durable

safe

innovative

resilient

long-lasting



nora | SYSTEMS GMBH
| shoe components

Rubber is able to resiliently withstand enormous stresses when subjected to various influences. This fascinating material has been used in **nora**® materials for more than 80 years through innovative developments, trend-setting production processes, and uncompromising quality assurance for

- **orthopaedic shoe engineering**
- **general orthopaedics**, and
- **shoe repairs.**

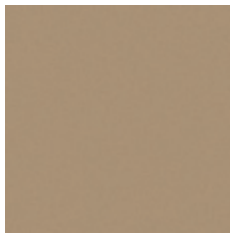
The **nora**® portfolio thus supplies processors from three business sectors with a multi-faceted range of diversified products from one single source:

Heel and soling materials with excellent walking properties and long life as well as the well-known high-quality **nora**® EVA sheets, which have proven themselves as excellent lifting and inner-shoe material worldwide.

But high quality **nora**® EVA and lightcell materials are also being used in industrial areas, where there are special requirements for technical properties like for example damping, shock absorption, recovery capability and highest safety standards.



nora® Lunatec motion 20 EVA expanded sheets



17 grey beige

Hardness:
approx. 20 Shore A

Density:
approx. 0.18 g/cm³

Format:
approx. 830x615 mm // 32.6" x 24.2"

Colour:
17 grey beige

Thicknesses:
approx. 2|3|4|6|8 mm

nora® Lunalastik EVA expanded sheets



81 black

Hardness:
approx. 25 Shore A

Density:
approx. 0.23 g/cm³

Format:
approx. 1150x750 mm // 45.3" x 29.5"

Colour:
81 black

Thicknesses:
approx. 2|3|4|5|6|8 mm

nora® Astro soling sheets made of expanded rubber



70 yellow



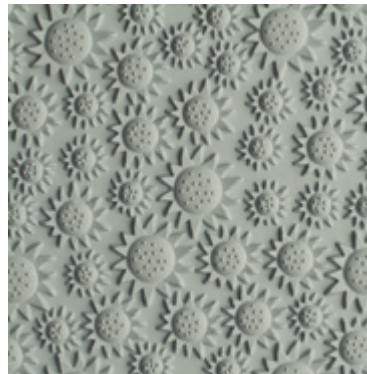
81 black



368 grass green



376 deep blue



60 bright grey

Hardness:
approx. 50 Shore A

Density:
approx. 0,65 g/cm³

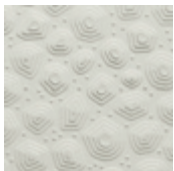
▼ PROFILE: 111 SUNFLOWER

Format:
approx. 910x520 mm // 35.8" x 20.5"

Thickness:
approx. 5 mm

Colours:
60 bright grey
70 yellow
81 black
368 grass green
376 deep blue

nora® Astro soling sheets made of expanded rubber



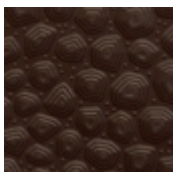
09 white



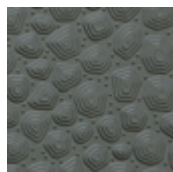
17 grey beige



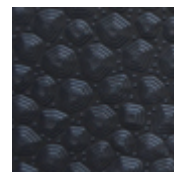
19 stone



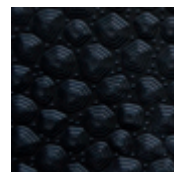
46 dark brown



56 stone grey



80 anthracite



81 black

Hardness:
approx. 50 Shore A

Density:
approx. 0.65 g/cm³

▼ PROFILE: 110 GEO

Format:
approx. 880x510 mm // 34.6" x 20.1"

Thicknesses:
approx. 4|6 mm

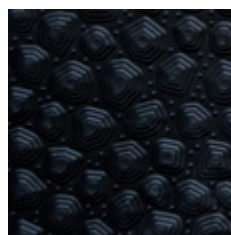
Colours:
09 white, 17 grey beige, 19 stone, 46 dark brown,
56 stone grey, 80 anthracite, 81 black

Astro profile 110 geo is non-directional, has good grip, is multilayered and is spread over four to five different profile levels. Due to the making of the profile stones and dirt do not stick to the sole.

nora® Astral soling sheets made of transparent compact rubber



60 bright grey



81 black



101 leather brown

Hardness:
approx. 69 Shore A

▼ PROFILE: 110 GEO

Format:
approx. 790x460 mm // 31.1" x 18.2"

Thicknesses:
approx. 4|6 mm

Colours:
60 bright grey, 81 black, 101 leather brown



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SG plus Certification – Your PLUS in terms of quality, hygiene, and safety	4
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Lift sheets and inner shoe material

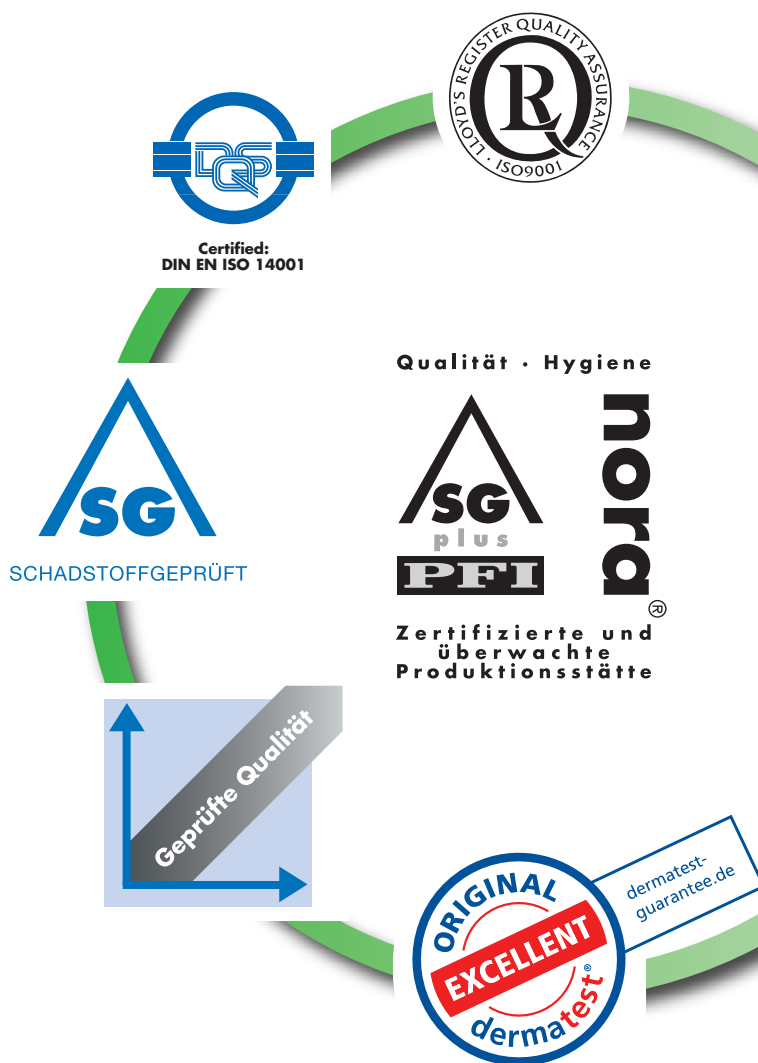
	Overview of foot orthotics	8
	Activation and cooling times	10
Cushioning sheets	Lunatec motion, Lunairmed	11
	Lunairflex, Lunalastik	12
	Lunatec EP, Astro med 10	13
	Astro form 8, Astro form 15	14
	Aero sorb M, Aero sorb W	15
Lift sheets and cushioning sheets	Lunatur 18 Walnut, Lunatur 27 Walnut, Lunatur 50 Walnut	17
	Lunasoft SLW, Lunasoft SLW trendline	18
	Lunasoft SL, Lunasoft SL trendline/cork	19
	Lunasoft SL color, Lunasoft SL color plus/quattro	20
	Lunatec SE, Lunasoft AL	21
	Lunalight A	22
	Lunacell, Schweizer Puffergummi	23
Composite sheets	Lunatur combi CW	17
	Lunatec combi 1, Lunatec combi 2	24
	Lunatec combi 3, Lunatec combi 4, Lunatec combi 5, Lunatec combi 6	25
	Lunatec combi 7, Lunatec combi 8, Lunatec combi motion 1	26
	Lunatec combi cork 1, Lunatec combi T1	27
Composite wedge strips	Lunatec combi SK 1	27
Stabilising sheets	Norit L, Norit, LunaPur M	28
Milling sheets	Lunatec CAD 25, Lunatec CAD 35, Lunatec CAD 45, Lunatec CAD 55	29
	Lunatec CAD 35 trendline, Lunatec combiCAD 1, Lunatec combiCAD 2	30
Lifting wedge strips	Lunasoft SLW wedge, Lunalight K, Lunasoft AL SK	31
Shock-absorber	Supersorb, Orthosorb	32

Outsole material

Soling sheets	Lunasoft	35
	Astro Soft	36
	Astrolight Star, Astrolight Delta	37
	Astro	38
	Astral soft	39
	Astral	40
	Durotrans	42
	Contol A, Contol FB, Constant, Por	43
	Contilit	44
Heeling strips	Contilit K	44
Half soles	Contilit, Pep, bel-paso	45
	Contact, Robusta, Orix, Contrec	46
Long soles	Sport-Contact, Contano, Conmonta	47

Heeling material

Heel sheets	Elite	49
	Conrex, Glorit	50
	Astral H, Cordial, Comfort	51
Heel piece strips	Astral H	52
Die-cut pieces	Elite	52
Wedge strips	Compakt K, Astral K, Astro K	53
Heels	Primus, Interstyle, Supra-Plus	54
	Gloria, Classic, Classic SL	55
	Sport-Club, Contact	56
	Robusta, Contrec	57



For us as a manufacturer of materials that are also used in medical products, certification under international standards is just as much a matter of course as adherence to the pertinent legislation, e.g. **REACH** – followed unquestioningly and without exception by every manufacturer in the EU.

Under the **MDR** (Medical Device Regulation, EU Regulation 2017/745), materials used for the production of medical products must be provided, amongst others, with a declaration of clearance with respect to their toxicological properties.

nora® products are free of constituents posing toxicological and carcinogenic risks as set down under EU Regulation 2017/745.

Certifications according to international standards like ISO 9001 (quality management) and ISO 14001 (environmental management system) are a matter of course at **nora®**.

All **nora®** products are free of toxic heavy metals and carcinogenic aromatic amines derived from colourants. Moreover, **nora®** products are also free of pentachlorophenol (PCP), CFCs, and carcinogenic nitrosamines.

SG mark

Acknowledged throughout the sector, this pollutant test mark is awarded by approved test institutes following regular and thorough material analyses.

Besides the tests on legally prescribed parameters, the SG package also confirms, for instance, that there are no traces of carcinogenic amines.

Since 1998, a great many nora® products have been tested and certified in compliance with the latest version of the SG test criteria catalogue.

The certificate

The crucial difference

The **SG pollutant test mark** is awarded by approved test institutes following thorough material analyses. This test mark confirms that, according to current knowledge, there are no risks to the health of dealer, processor, or patient. It entitles the test institute to take samples at any time from ongoing production and does not constitute a once only test. **nora®** products are never only tested, but certified.

A simple test report does not confirm compliance with the SG mark.

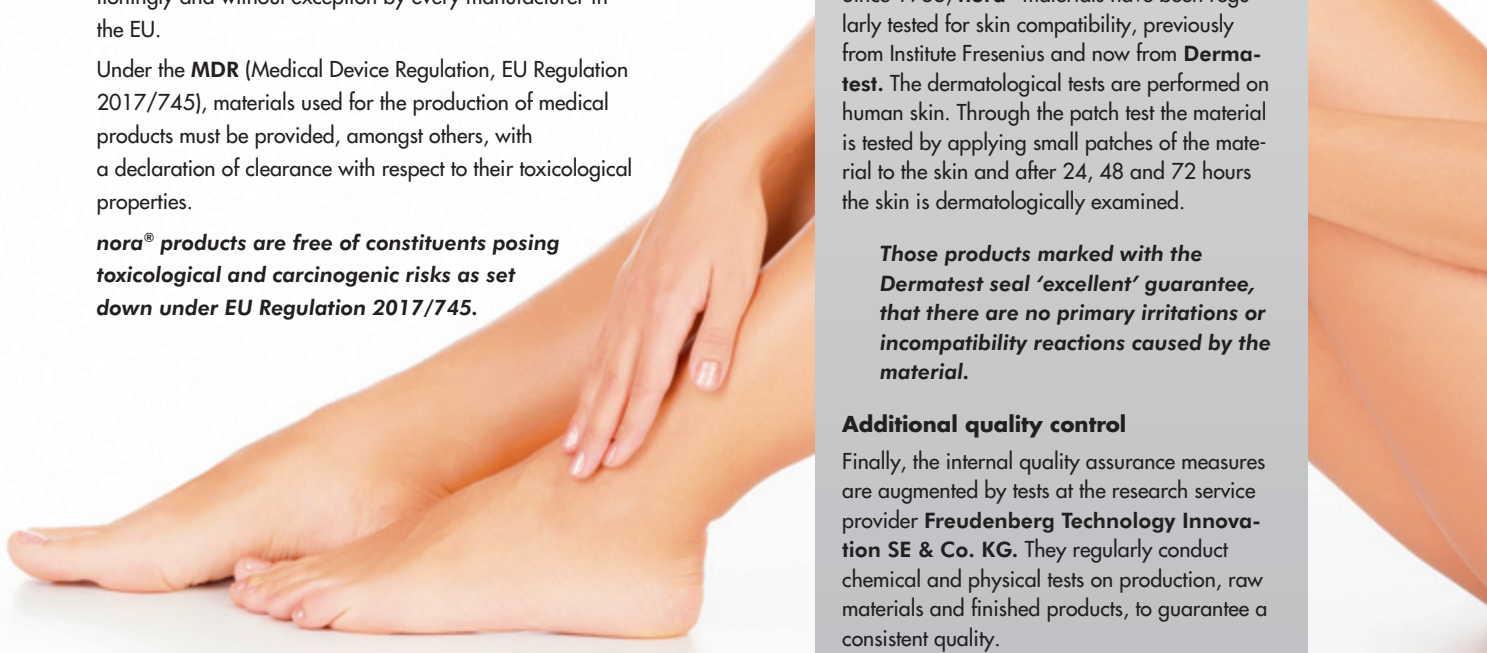
Dermatest seal proven skin compatibility

Since 1988, **nora®** materials have been regularly tested for skin compatibility, previously from Institute Fresenius and now from **Derma-test**. The dermatological tests are performed on human skin. Through the patch test the material is tested by applying small patches of the material to the skin and after 24, 48 and 72 hours the skin is dermatologically examined.

Those products marked with the Dermatest seal ‘excellent’ guarantee, that there are no primary irritations or incompatibility reactions caused by the material.

Additional quality control

Finally, the internal quality assurance measures are augmented by tests at the research service provider **Freudenberg Technology Innovation SE & Co. KG**. They regularly conduct chemical and physical tests on production, raw materials and finished products, to guarantee a consistent quality.



SG plus mark

Some years ago, the SG plus mark was developed in collaboration with the test and research institute PFI in Pirmasens, based in part on even stricter thresholds than prescribed under the German Medical Devices Act MPG.

The **SG plus mark** supplements the requirements for the **SG seal** with microbial and physical tests as well as permanent monitoring of the production facilities.

Qualität · Hygiene



Your plus in terms of quality – Tested resilience and stability

Dynamic long-term loading tests serve to analyse the load bearing properties of **nora**® materials. This involves applying a 60 kg load to the material about 100,000 times and then comparing its thickness before and after loading.

Pressure tests verified a wide range of deformation patterns depending on material properties, Shore A hardness, and intended function (bedding, permanently resilient, stabilising). These findings provide practitioners with invaluable data they can use for the optimal combination of different materials for specific applications.

All tested nora® products are characterised by excellent restoration capabilities.

Your plus in terms of hygiene – Disinfectability

The disinfectability of polluted foot orthotics and insoles with a commercially available disinfectant has been verified regularly by the PFI laboratory conducting extensive microbiological tests with precisely defined quantities of bacteria and fungi.

Tested quality

Certified production

Materials tested for harmful substances

Safety of patient and staff

Tested skin tolerability

Hygienic and disinfectable

Your plus in terms of quality:

Certified load bearing properties and stability based on the findings of dynamic, sustained loading tests.

Your plus in terms of hygiene:

Proven disinfectability of polluted foot orthotics and insoles.

Your plus in terms of safety:

Not only the materials, also the production facilities and production processes in Weinheim are inspected and certified at regular intervals.

Disinfection is successful only on materials with closed cellular structures. Unlike foams with open cellular structures, closed cell surfaces are impenetrable to wound secretions, bacteria, and fungi, which can then be removed easily.

“Tested disinfectability” may be claimed only when germs are reduced by 100%.

Your plus in terms of safety – Certified production

Permanent safety means not only tests on a single **nora®** material, but also permanent monitoring of the production facilities and production process.

This involves testing and documenting each stage of **ongoing production** with regular spot checks.

These process tests are applied, for example, to the selection of raw materials, incoming inspections, mixtures, production, final inspections, packaging, documented material traceability, etc.

The Weinheim production site and regular quality control guarantee a consistently high level of quality.

SG plus Certification

The sum of your advantages

SG plus Certification means: Safety as defined under the **Medical Devices Act** – no ifs, no ands, no buts. A plus in terms of quality, hygiene, and safety – This means not only the absence of materials that cause allergic reactions or exhibit carcinogenic effects, but tested disinfectability with a commercially available disinfectant, outstanding quality with respect to static and dynamic long-term loading, and certified production.

Only if all factors have been successfully tested, the SG plus mark will be issued.

Certified nora® quality and great variety for ambitious practitioners...



MADE IN GERMANY

The **nora®** range offers materials made of closed-cell EVA, rubber and light-cell rubber in a colourful variety of known qualities as well as innovative product developments.

Quality products from the **nora®** range are characterised by an excellent workability, especially in terms of easy sanding, bonding, and thermoplastic mouldability. They also provide a broad spectrum of colours for applications involving all parts of the shoe, insoles and technical orthopaedic applications. From bright natural hues and classical dark colours up to the manifold colour assortment.

Coordinated colours across many products make it possible to combine lifting and soling materials in matching colours. Our colour coding system, well-known throughout the industry, facilitates the search for the right colour. The colour system at a glance is listed on the pages 58–60. You can rely on the professional **nora®** customer service and our excellent product quality. You can rely on us!

Conversion table: The manufacturing unit of measure is millimeters. For US customers: Please use this conversion table to find your material.

mm	inch decimal	inch fraction*	mm	inch decimal	inch fraction*
1.5	0.0590	1/16	8	0.3150	5/16
1.8	0.0709		9	0.3543	
2	0.0787		10	0.3937	3/8
2.5	0.0984		12	0.4724	
2.7	0.1063		13.5	0.5315	
3	0.1181	1/8	14	0.5512	9/16
3.5	0.1378		15	0.5906	
4	0.1575		16	0.6299	5/8
4.3	0.1693		20	0.7874	
4.5	0.1772		22	0.8661	7/8
5	0.1969	3/16	24	0.9449	
6	0.2362	1/4	30	1.1811	1.1/4
6.5	0.2559		32	1.2598	
7	0.2756		35	1.3780	1.3/8

* USA standard sizes and closest metric equivalent. These figures are approximate.



News by e-mail -

Have you heard about our newsletter?

With the **nora**® shoe components newsletter, we are regularly informing you by e-mail about interesting issues in orthopaedic shoe engineering, general orthopaedics, and shoe repair. Free and without any obligation.

Just take a few seconds and register now on www.nora-shoe.com.

Do you have questions in regards to product information or need consultation? You can reach us at:

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Facebook: www.facebook.com/norasystems



Overview of foot orthotics

Overview of the nora® products for foot orthotics

All sheets are available in different thicknesses, formats and colours.




Lift sheets and cushioning sheets


Product	Hardness approx. Shore A	Density approx. g/cm ³	thermo- formable	Page
Astro form 8	–	0.20	at 110°–130° C	14
Astro med 10	10	0.27	no	13
Lunatec motion	10	0.13	at 110°–130° C	11
Astro form 15	15	0.32	at 110°–130° C	14
Aero sorb M	–	0.15	at 110°–130° C	15
Aero sorb W	–	0.16	at 110°–130° C	15
Lunairmed	16	0.08	at 110°–130° C	11
Lunatur 18 Walnut	18	0.12	at 110°–130° C	17
Lunairflex	22	0.12	at 110°–130° C	12
Lunatec EP	22	0.20	at 110°–130° C	13
Lunalastik	25	0.23	at 110°–130° C	12
Lunatur 27 Walnut	27	0.24	at 110°–130° C	17
Lunasoft SLW	30	0.20	at 130° C	18
Lunasoft SL	40	0.20	at 130° C	19
Lunatec SE	45	0.28	at 130° C	21
Lunatur 50 Walnut	50	0.35	at 130° C	17
Lunasoft AL	52	0.26	at 130° C	21
Lunalight A	58	0.35	at 130° C	22
Lunacell	68	0.37	at 130° C	23
Norit L	93	0.90	at 130° C	28
Norit	95	1.05	at 130° C	28

The recommended temperatures are guidelines that can vary depending on the thickness of the material. The softer the material, the more caution should be exercised with high temperatures!

Properties:	Conversion table:
cushioning	at 110°–130° C
bedding/shockabsorbing	at 230°–266° F
bedding	at 110° C
permanently resilient	at 230° F
stabilising	



Product information and application tips:



Overview composite sheets

Overview of the nora® products for foot orthotics



composite sheets Lunatec combi

Product name Total thickness	Layers approx. mm	Hardness approx. Shore A	Density approx. g/cm ³	Page	Figure
Lunatec combi 1	Lunalastik (6 mm)	25	0.23	24	
14 mm	Lunasoft AL (8 mm)	52	0.26		
Lunatec combi 2	Lunairflex (6 mm)	22	0.12	24	
16 mm	Lunasoft SLW (10 mm)	30	0.20		
Lunatec combi 3	Lunalastik (6 mm)	25	0.23	25	
16 mm	Lunasoft SLW (10 mm)	30	0.20		
Lunatec combi 4	Lunairflex (3 mm)	22	0.12	25	
9 mm	Lunalastik (6 mm)	25	0.23		
Lunatec combi 5	Lunalastik (3 mm)	25	0.23	25	
7 mm	Lunasoft SLW (4 mm)	30	0.20		
Lunatec combi 6	Lunasoft SLW (4 mm)	30	0.20	25	
14 mm	Lunasoft AL (10 mm)	52	0.26		
Lunatec combi 7	Lunasoft SLW (3 mm)	30	0.20	26	
7 mm	Lunasoft SL (4 mm)	40	0.20		
Lunatec combi 8	Lunatec EP (4 mm)	22	0.20	26	
12 mm	Lunatec SE (8 mm)	45	0.28		
Lunatec combi cork 1	Lunalastik (6 mm)	25	0.23	27	
14 mm	Lunatec cork H (8 mm)	50	0.35		
Lunatec combi CW	Lunatur 27 (6 mm)	27	0.24	17	
14 mm	Lunatec cork H (8 mm)	50	0.35		
Lunatec combi motion 1	Lunatec motion (6 mm)	10	0.13	26	
16 mm	Lunasoft SL (10 mm)	40	0.20		
Lunatec combi T1	Lunasoft SLW (3 mm)	30	0.20	27	
15 mm	Lunasoft Z (4 mm)	25	0.17		
	Lunasoft AL (8 mm)	52	0.26		

Lift sheets and inner shoe material

Activation and cooling times

	Activation time approx. min.	Cooling time approx. min.
Lunatec combi 1	6	12
Lunatec combi 2	9	18
Lunatec combi 3	9	18
Lunatec combi 4	5	10
Lunatec combi 5	3	6
Lunatec combi 6	6	12
Lunatec combi 7	5	10
Lunatec combi 8	6	12
Lunatec combi T1	8	16
Lunatec combi cork 1	5	10
Lunatec combi motion 1	5	10
Lunatur combi CW	5	10
Lunatec combi SK1	10	20

Setting of the oven 130° C // 266° F

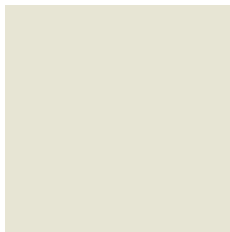
Rule of thumb: Activation time x factor 2
= optimum cooling time.

The times given here are proven reference values based on a constant temperature of 130° C // 266° F. These times can deviate dependent upon the oven, temperature precision, how often the door is opened and personal experiences.

Questions? Please contact us!

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nora® Lunatec motion EVA expanded sheets, smooth, trimmed edges



06 silk



56 stone grey

Hardness:
approx. 10 Shore A

Density:
approx. 0,13 g/cm³

Format:
approx. 870x 655 mm // 34.2" x 25.8"

Colours:
06 silk
56 stone grey

Format:
approx. 1310x 870 mm // 51.5" x 34.2"

Colour:
06 silk

Thicknesses: 2 | 3 | 4 | 6 | 8 mm

Intended applications:

for foot orthotics and damping in inner shoes, as a top layer or for pressure relief, most of all for patients with painful foot or joint diseases like rheumatism or for sensitive diabetic feet. As cushioning in classic orthoses and as a functional lining on support orthoses and corsets. It reduces pain through minimising shear forces, making it ideal for pressure sensitive areas.

Properties:

absorbs shearing forces and has extremely soft bedding properties. Can reduce pain and allows for new trust with every footstep. Excellent bedding and damping properties in the horizontal load plane. Closed cell structure, durable and hygienically washable.

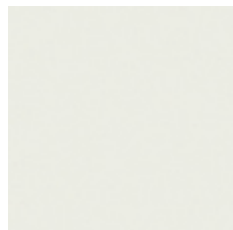
Processing notes:

usual EVA bonding. Adapt contact pressure to the flexibility of the material. Thermoformable at 110°–130° C // 230°–266° F.

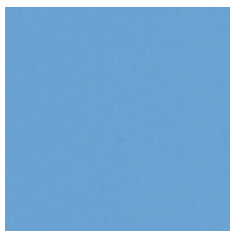
nora® Lunairmed EVA expanded sheets, smooth and perforated



07 beige
smooth



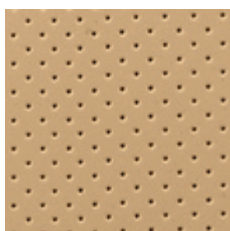
09 white
smooth



27 light blue
smooth



80 anthracite
smooth



07 beige
perforated

Hardness:
approx. 16 Shore A

Density:
approx. 0.08 g/cm³

▼ SMOOTH

Format:
approx. 1080x 825 mm // 42.5" x 32.4"

Colours:	Thicknesses:
07 beige	2 3 4 5 6 8 10 12 24 mm
80 anthracite	2 3 4 6 8 mm
09 white	2 3 4 6 mm
27 light blue	

▼ PERFORATED

Format:
approx. 1080x 825 mm // 42.5" x 32.4"

Colour:	Thicknesses:
07 beige	3 6 mm

Intended applications:

cushioning sheets for inner shoes. For shaping elements for low stresses, e.g. calf prostheses, as upper material for interim, therapy, and bathing shoes, for beddings and shock-absorbers in inner shoes, for foot beddings for rheumatics and diabetics particularly suited for sandwich-type shoes.

Properties:

very low density, very soft, highly resilient. Excellent restoration capability and high walking comfort. Washable thanks to the closed cell structure.

Processing notes:

usual EVA bonding. Adapt contact pressure to the flexibility of the material, horizontal deformation is to be avoided. Thermoformable at 110°–130° C // 230°–266° F.

Cushioning sheets

nora® Lunairflex EVA expanded sheets, smooth and perforated



07 beige
smooth



27 light blue
smooth



07 beige
perforated

Hardness:
approx. 22 Shore A

Density:
approx. 0.12 g/cm³

▼ SMOOTH

Format:
approx. 1200x750 mm // 47.2" x 29.5"

Colours:	Thicknesses:
07 beige	2 3 4 5 6 8 10 12 24 mm
27 light blue	2 3 4 5 6 mm

▼ PERFORATED

Format:
approx. 1200x750 mm // 47.2" x 29.5"

Colour:	Thicknesses:
07 beige	3 6 mm

Intended applications:

cushioning sheets for inner shoes. For shaping elements for medium stresses, e.g. calf prostheses, as upper material for interim, therapy, and bathing shoes, for beddings and shock-absorbers in inner shoes.

Properties:

very low density, soft, highly resilient, good restoration capability. Washable thanks to the closed cell structure.

Processing notes:

usual EVA bonding. Adapt contact pressure to the flexibility of the material, horizontal deformation is to be avoided. Thermoformable at 110°–130° C // 230°–266° F.

nora® Lunalastik EVA expanded sheets, smooth and perforated



07 beige
smooth



27 light blue
smooth



70 yellow
smooth



07 beige
perforated

Hardness:
approx. 25 Shore A

Density:
approx. 0.23 g/cm³

▼ SMOOTH

Format:
approx. 1150x750 mm // 45.3" x 29.5"

Colours:	Thicknesses:
07 beige	2 3 4 5 6 8 mm
27 light blue	
70 yellow	2 3 4 6 8 mm

▼ PERFORATED

Format:
approx. 1150x750 mm // 45.3" x 29.5"

Colour:	Thicknesses:
07 beige	3 6 mm

Intended applications:

cushioning material for soft bedding insoles in orthopaedic custom-made shoes and in ready-made shoes, for cushioning for foot beddings, for cushioning support of the calcaneal spur.

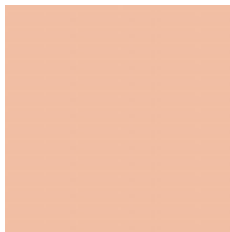
Properties:

excellent cushioning properties, excellent restoration capability. Washable thanks to the closed cell structure. Excellent tear resistance.

Processing notes:

easy to bond (polychloroprene). Thermoformable at 110°–130° C // 230°–266° F.

nora® Lunatec EP EVA expanded sheets, smooth



302 cream



350 mint

► Special properties for hygienic use

nora® Lunatec EP is an EVA material which was supplemented by further high-quality raw materials and thus now possesses new excellent properties. The material has a closed cell structure and especially high restoration capability, given a specifically light weight. Unlike open-cell materials made of polyurethane (PU), sweat, ichor and other liquids cannot penetrate the material but can be removed hygienically from the surface.

Hardness:
approx. 22 Shore A

Density:
approx. 0.20 g/cm³

Format:
approx. 880x590 mm // 34.6" x 23.2"

Colours:	Thicknesses:
302 cream	2 3 4 5 6 8 mm
350 mint	

Intended applications:

cushioning sheets for inner shoes. For shaping elements for medium stresses, e.g. calf prostheses, as upper material for interim, therapy, and bathing shoes, for beddings and shock-absorbers in inner shoes.

Properties:

highly resilient, excellent restoration capability, low volume loss, smooth surface, closed cell structure, durable, hygienically washable and thermoformable.

Processing notes:

usual EVA bonding. Adapt contact pressure to the flexibility of the material, horizontal deformation is to be avoided. Thermoformable at 110°–130° C // 230°–266° F.

nora® Astro med 10 light-weight expanded rubber



316 vanilla

► Excellent restoration capability and closed cell structure

nora® Astro med 10 is a material with unique properties. It combines the advantages of an extremely soft material (approx. 10 Shore A) with excellent restoration capability and the advantages of a closed cell material. The closed cell structure prevents ichor and sweat and thus germs, bacteria and fungi from penetrating the material. Ichor adhering to the surface can be hygienically removed using commercially available disinfectants. Dynamic long-term stress tests have proven that a maximum deformation of approx. 8% remains after 24 hours of relief.

Hardness:
approx. 10 Shore A

Density:
approx. 0.27 g/cm³

Format:
approx. 1050x700 mm // 41.3" x 27.6"

Colour:	Thicknesses:
316 vanilla	2 3 4.5 6 9 mm

Intended applications:

cushioning in orthotics and prosthetics, heel and forefoot cushioning, continuous top cushioning layer of an insole, heel spur cavities for heel spur insoles, upper cushion for e.g. peroneal or ankle caps.

Properties:

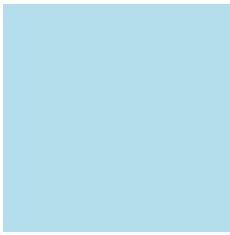
- ▶ extreme softness of approx. 10 Shore A
- ▶ excellent restoration capability after compression
- ▶ low compression
- ▶ excellent cushioning properties
- ▶ optimal shock absorbance
- ▶ support of the balance during tread
- ▶ hygienic and disinfected thanks to closed cell structure
- ▶ tested and certified skin tolerability by the Institute Dermatest
- ▶ excellent bonding properties

Processing notes:

unlike nora® EVA material, nora® Astro med 10 is not thermoformable and is bonded in cold condition.

Cushioning sheets

nora® Astro form 8 light-weight expanded rubber, trimmed edges



318 ice blue

Density:

approx. 0.20 g/cm³

Format:

approx. 770x560 mm // 30.3"x22.0"

Colour:

318 ice blue

Thicknesses:

2|3|4|6|8 mm

Intended applications:

cushioning in orthotics and prosthetics, e.g. cushioning in forefoot replacement, Haglund heel cushioning, cushioning layer for diabetes-adapted footbed, heel spur cavities for heel spur insoles, upper cushioning, e.g. for peroneal or ankle caps.

Properties:

- ▶ Extremely soft
- ▶ Excellent recovery capability after compression
- ▶ Low compression
- ▶ Outstanding cushioning properties
- ▶ Optimum shock absorbance
- ▶ Thermoformable at a processing temperature of approx. 110°–130° C // 230°–266° F
- ▶ Hygienic & disinfected due to the closed cellular surface
- ▶ Skin tolerability tested and certified by the Institute Dermatost
- ▶ Excellent bonding properties

nora® Astro form 15 light-weight expanded rubber, trimmed edges



339 sky blue

Hardness:

approx. 15 Shore A

Density:

approx. 0,32 g/cm³

Format:

approx. 840x520 mm // 33.1"x20.5"

Colour:

339 sky blue

Thicknesses:

2|3|4|6 mm

Intended applications:

cushioning in orthotics and prosthetics, e.g. cushioning in forefoot replacement, Haglund heel cushioning, cushioning layer for diabetes-adapted footbed, heel spur cavities for heel spur insoles, upper cushioning, e.g. for peroneal or ankle caps.

Properties:

- ▶ Extremely soft
- ▶ Excellent recovery capability after compression
- ▶ Low compression
- ▶ Outstanding cushioning properties
- ▶ Thermoformable at a processing temperature of approx. 110°–130° C // 230°–266° F
- ▶ Hygienic & disinfected due to the closed cellular surface
- ▶ Tested and certified skin tolerability by the Institute Dermatost
- ▶ Easy to die-cut
- ▶ Excellent bonding properties

▶ Excellent recovery capability and closed cell structure

The material nora® Astro form is made of light cellular rubber with a unique composition of properties. It is very soft and resilient, yet still keeps its shape! With nora® Astro form 8 and nora® Astro form 15, this material is now available in two types. Both have a closed cell structure, are hygienically washable and optimally thermoformable, and also exhibit particular softness and high permanent resilience and recovery capability after processing.

Whereas nora® Astro form 8 is so soft that the Shore A hardness is scarcely measurable, nora® Astro form 15 is firmer and tighter with a Shore A hardness of about 15 and a density of 0.32 g/cm³,

and exhibits even greater recovery capability. The practitioner can choose between these two types depending on the load conditions, use and area.

The closed cell structure prevents wound secretion and sweat, and thus germs, bacteria and fungi, from penetrating the material. Secretions adhering to the surface can be hygienically removed using commercially available disinfectants.

nora® Aero sorb M light-weight expanded rubber, trimmed edges



319 velvet red

Softness:

M = medium

Density:

approx. 0.16 g/cm³

Format:

approx. 800x550 mm // 31.5" x 21.7"

Colour:

319 velvet red

Thicknesses:

2|3|4|6 mm

Intended applications:

butterfly soles, butterfly relief, haglund heel cushioning, cushioning layer for diabetes-adapted footbed, heel spur cavities for heel spur insoles, concentrated pressure relief and cushioning in orthotics and prosthetics.

Properties:

- ▶ Extremely soft
- ▶ Bedding and absorbent properties at the same time
- ▶ Delayed recovery capability
- ▶ Shock-absorbing
- ▶ Outstanding bedding characteristics for distributing pressure
- ▶ Thermoformable at a processing temperature of approx. 110°–130° C // 230°–266° F.
- ▶ Hygienic & disinfected due to the closed cell structure
- ▶ Skin tolerability tested and certified by the Institute Dermatest
- ▶ Excellent bonding properties

nora® Aero sorb W light-weight expanded rubber, trimmed edges



325 pastel green



338 slate

Softness:

W = soft

Density:

approx. 0.15 g/cm³

Format:

approx. 820x580 mm // 32.3" x 22.8"

Colours:

325 pastel green

Thicknesses:

2|3|4|6 mm

338 slate

Intended applications:

butterfly soles, butterfly relief, haglund heel cushioning, cushioning layer for diabetes-adapted footbed, heel spur cavities for heel spur insoles, concentrated pressure relief and cushioning in orthotics and prosthetics.

Properties:

- ▶ Extremely soft
- ▶ Bedding and absorbent properties at the same time
- ▶ Delayed recovery capability
- ▶ Shock-absorbing
- ▶ Outstanding bedding characteristics for distributing pressure
- ▶ Thermoformable at a processing temperature of approx. 110°–130° C // 230°–266° F.
- ▶ Hygienic & disinfected due to the closed cell structure
- ▶ Skin tolerability tested and certified by the Institute Dermatest
- ▶ Excellent bonding properties

▶ Extremely soft material with delayed recovery characteristics and closed cell structure

nora® Aero sorb is a new type of material which is extremely soft and shock-absorbing in equal measure due to its markedly delayed recovery characteristics. This makes nora® Aero sorb suitable for installation in areas that have to remain free of pressure points or where pressure from concentrated loads has to be distributed as evenly as possible.

nora® Aero sorb is a light cellular rubber with a unique composition of properties whose absorbent characteristics can make it ideal for reducing pain.

The closed cell structure prevents wound secretion and sweat, and thus germs, bacteria and fungi, from penetrating the material. Secretions adhering to the surface can be hygienically removed using commercially available disinfectants.

Naturally of ecological value:

LUNATUR WALNUT RANGE

The annual global production of walnuts is about 1.5 million tonnes, and rising. They taste good, and their health benefits are well-known. Compared with other nuts, the walnut has the highest content of an omega 3 fatty acid beneficial to the heart as well as valuable constituents like zinc, magnesium, iron, potassium, and many vitamins. The nuts are also said to have a prophylactic effect on diabetes, cardiovascular diseases, and cancer.



So what actually happens to the tonnes of shells encasing these valuable nuts?

In regard to the sustainable and ecologically aware refinement of its EVA products, nora has made use of this valuable product to develop a range of materials that can be used to manufacture orthotics or insoles of great ecological value ...

The products in the **nora® Lunatur Walnut** range consist for a large part of finely ground walnut shells. We therefore use a natural, renewable raw material without interfering with the food chain. The goal of this development was to make practical use of a natural waste product and refine the EVA material with a valuable natural resource.

The outcome are **high quality EVA materials** of different properties that also generate a comfortable foot climate. The material's closed cell structure prevents wound secretion and sweat, and thus germs, bacteria, and fungi, from penetrating the material. Secretions adhering to the surface can therefore be hygienically removed with a commercially available disinfectant.



The first EVA material that contains about 20% of finely ground walnut shells, **nora® Lunatur 18 Walnut** found resounding response at its launch. Specifically ecologically aware practitioners were greatly interested in this new material. At the same time, however, it very soon became clear that a complete range is needed to provide customers with insoles and orthotics "naturally of ecological value". This was the reason behind the development and supplementation of **nora® Lunatur 27 Walnut**, **nora® Lunatur 50 Walnut**, and the composite sheet **nora® Lunatur combi CW**.

Lift sheets and cushioning sheets

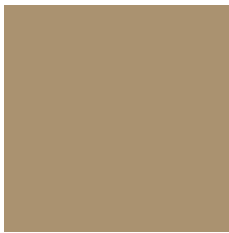
nora® Lunatur 18 Walnut EVA expanded sheets, smooth



340 nut-brown

Hardness: approx. 18 Shore A	Properties bedding cushioning properties
Density: approx. 0.12 g/cm ³	
Format: approx. 980x640 mm // 38.6"x25.2"	
Colour: 340 nut-brown	Thicknesses: 2 3 4 6 8 mm

nora® Lunatur 27 Walnut EVA expanded sheets, smooth



340 nut-brown

Hardness: approx. 27 Shore A	Properties: permanently resilient cushioning properties
Density: approx. 0.24 g/cm ³	
Format: approx. 830x585 mm // 32.6"x23.0"	
Colour: 340 nut-brown	Thicknesses: 2 3 4 6 8 mm

nora® Lunatur 50 Walnut EVA expanded sheets, smooth



340 nut-brown

Hardness: approx. 50 Shore A	Properties: stabilising properties
Density: approx. 0.35 g/cm ³	
Format: approx. 900x550 mm // 35.4"x21.6"	
Colour: 340 nut-brown	Thicknesses: 2 3 4 6 8 mm

Composite sheets

nora® Lunatur combi CW EVA expanded sheets, trimmed edges

The vulcanised combination of:



Format: approx. 1100x840 mm
// 43.3"x33.1"

nora® Lunatur 27 Walnut
permanently resilient cushioning properties

Hardness:
approx. 27 Shore A

Density:
approx. 0.24 g/cm³

Colour: 340 nut-brown **Thickness:** approx. 6 mm

nora® Lunatec cork H
stabilising properties

Hardness:
approx. 50 Shore A

Density:
approx. 0.35 g/cm³

Colour: 205 cork **Thickness:** approx. 8 mm

nora® Lunatur combi CW consists of nora® Lunatur 27 Walnut and nora® Lunatec cork H (EVA layer with high cork content) and provides the ideal basis for orthopaedic footbeds of great ecological value and the permanent resilience and stabilisation of insoles, e.g. for counteracting abnormal strain on the musculoskeletal system from skew, flat, splay, or hollow feet.

Intended applications:

nora® Lunatur combi CW shows outstanding edge stability for pressed insoles and has excellent grinding and bonding properties. Depending on the difficulty and type of treatment, Lunatur combi CW can be supplemented with additional, stabilising material, e.g. Norit, Lunacell, or Lunatur 50 Walnut or with a soft cushioning or bedding material, e.g. Lunatur 18 Walnut or Lunatur 27 Walnut at the heel and in the forefoot.

Processing notes:

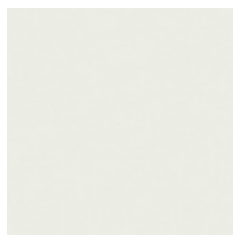
thermoformable at 110°–130° C // 230°–266° F.

Lift sheets and cushioning sheets

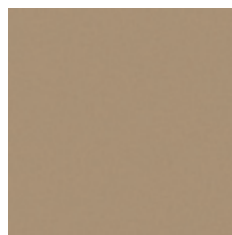
nora® Lunasoft SLW EVA expanded sheets, smooth



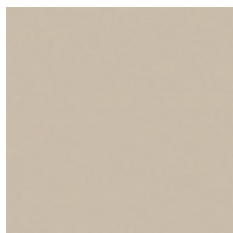
07 beige



09 white



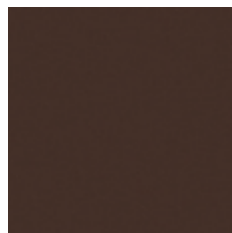
17 grey beige



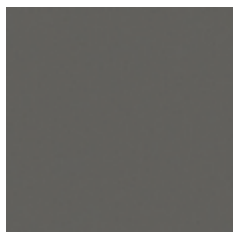
19 stone



35 medium brown



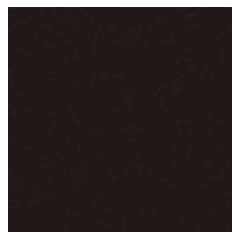
46 dark brown



56 stone grey



78 dark blue



81 black



89 red



111 royal blue



351 petrol

Hardness:

approx. 30 Shore A

Density:

approx. 0.20 g/cm³

Format:

approx. 1150x750 mm // 45.3"x29.5"

Colours:

07 beige
09 white
46 dark brown
81 black

Thicknesses:

2|3|4|5|6|8|10|12|
and also 14|20 mm

17 grey beige 2|3|4|6|8|10|20 mm
19 stone
35 medium brown
56 stone grey
78 dark blue

89 red 2|3|4|6 mm

111 royal blue

351 petrol

Intended applications:

as cushioning and shock-absorbing material for insoles, foot beddings, and sport insoles, as upper material for interim and bathing shoes, as shaping elements, e.g. resilient caps or as soft socket.

Properties:

lightweight, dimensionally stable, flexible and resilient; washable and hygienic thanks to closed cell structure.

Processing notes:

thermoformable at 110°–130° C // 230°–266° F.

nora® Lunasoft SLW trendline EVA expanded sheets, smooth



4462
anthracite-orange

Hardness:

approx. 30 Shore A

Density:

approx. 0.20 g/cm³

Format:

approx. 1300x900 mm // 51.2"x35.4"

Colour:

4462 anthracite-orange

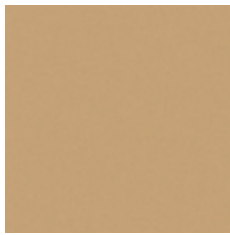
Thicknesses:

2|3|4|6 mm

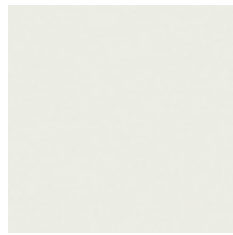
nora® Lunasoft SLW trendline is an attractive, patterned version of nora® Lunasoft SLW.

Lift sheets and cushioning sheets

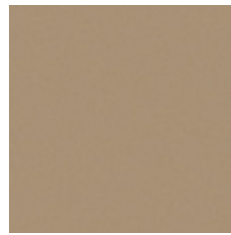
nora® Lunasoft SL EVA expanded sheets, smooth



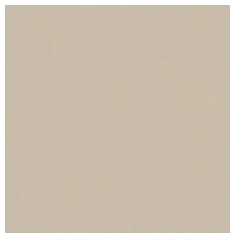
07 beige



09 white



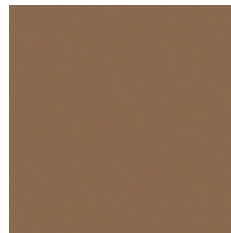
17 grey beige



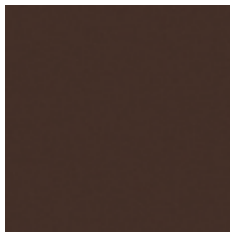
19 stone



35 medium brown



41 pale brown



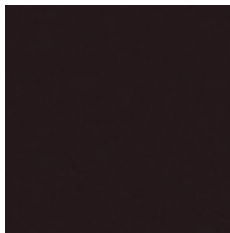
46 dark brown



56 stone grey



78 dark blue



81 black

Hardness:

approx. 40 Shore A

Density:

approx. 0.20 g/cm³

Format:

approx. 1140x740 mm // 44.9" x 29.1"

Colours:

07 beige
09 white
46 dark brown
81 black

Thicknesses:

2|3|4|5|6|8|10|12|
and also 14|20 mm

17 grey beige 2|3|4|6|8|10|20 mm

19 stone

35 medium brown

41 pale brown

56 stone grey

78 dark blue

nora® Lunasoft SL are very lightweight, smooth EVA expanded sheets which are used as lift and cushioning sheets as well as covering sheets.

Intended applications:

for beddings, insoles, sport insoles, soft sockets, and shaping elements of any kind.

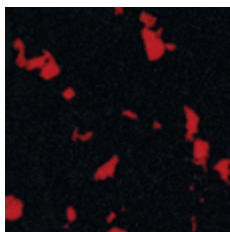
Properties:

lightweight, flexible and dimensionally stable, good restoration capability, high walking comfort. Washable and hygienic thanks to the closed cell structure.

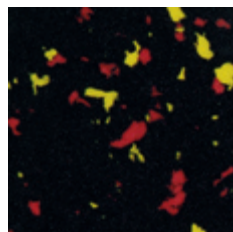
Processing notes:

usual EVA bonding. Adapt contact pressure to the flexibility of the material.
thermoformable at 110°–130° C // 230°–266° F.

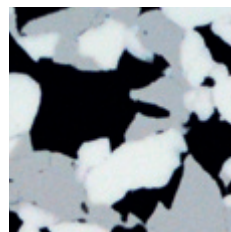
nora® Lunasoft SL trendline /cork EVA expanded sheets, smooth



4450 black-red



4451 black-red-yellow



4463 camouflage



4445 cork look

Hardness:

approx. 40 Shore A

Density:

approx. 0.20 g/cm³

Format:

approx. 1280x890 mm // 50.4" x 35.0"

Colours:

4450 black-red
4451 black-red-yellow
4463 camouflage

Thicknesses:

2|3 mm

4445 cork look 2|3|4 mm

Intended applications:

for beddings, insoles, sport insoles, and shaping elements. To cover insoles, as midsole material for children's shoes and as universal and skin-friendly covering of surfaces or outer shell of a 2-layer socket.

Lift sheets and cushioning sheets

nora® Lunasoft SL color EVA expanded sheets, smooth



65 blue



69 orange



70 yellow



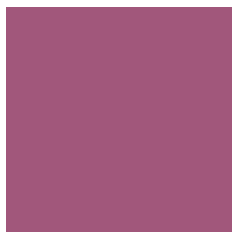
89 red



98 green



111 royal blue



347 raspberry



348 lime



349 blackberry

Hardness:

approx. 40 Shore A

Density:

approx. 0.20 g/cm³

Format:

approx. 1140x740 mm // 44.9" x 29.1"

Colours:

65 blue
69 orange
70 yellow
89 red
98 green
111 royal blue
347 raspberry
348 lime
349 blackberry

Thicknesses:

2|3|4|6 mm

Intended applications:

for beddings, insoles, sport insoles, and shaping elements. To cover insoles, as midsole material for children's shoes and as universal and skin-friendly covering of surfaces or outer shell of a 2-layer socket.

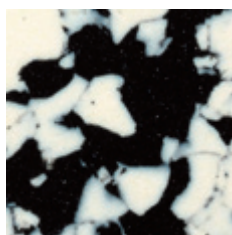
Properties:

lightweight, resilient, dimensionally stable. Washable and hygienic thanks to the closed cell structure.

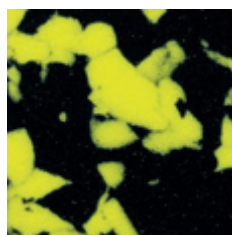
Processing notes:

thermoformable at 110°–130° C // 230°–266° F.

nora® Lunasoft SL color plus /quattro EVA expanded sheets, smooth



0281 white-black



9581 lemon-black



9681 pink-black



3981 lilac-black



4457 orange-blue



4444 four-coloured

Hardness:

approx. 40 Shore A

Density:

approx. 0.20 g/cm³

Format:

approx. 1280x890 mm // 50.4" x 35.0"

Colours:

0281 white-black
9581 lemon-black
9681 pink-black
3981 lilac-black
4457 orange-blue

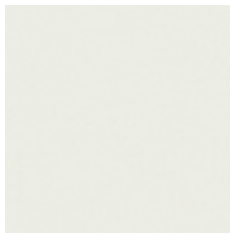
Thicknesses:

2|3 mm

4444 four-coloured 2|3|4 mm

Lift sheets and cushioning sheets

nora® Lunatec SE EVA expanded sheets, smooth



09 white



137 terra

Hardness:

approx. 45 Shore A

Density:

approx. 0.28 g/cm³

Format:

approx. 920x590 mm // 36.2"x23.2"

Colours:

09 white

137 terra

Thicknesses:

6 | 10 | 14 mm

nora® Lunatec SE is a stable and resilient EVA expanded sheet which is above all particularly well-suited as lifting material for sports and street shoes as well as orthopaedic treatment. This high-quality lifting material is characterised by an excellent restoration capability and resilience as well as high dimensional stability.

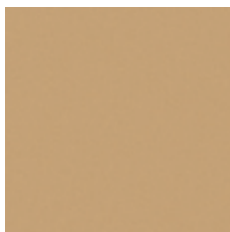
Intended applications:

for insoles, sport insoles and foot beddings as stabilising shaping element, e.g. to support the backfoot, for shaping elements (e.g. in case of arthroses, ankle caps, paralysis caps, and semi-rigid tongues) or as upper material for interim and bathing shoes.

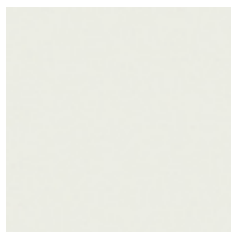
Processing notes:

thermoformable at 120°–170° C // 248°–338° F, formable in single-block process (for foot beddings).

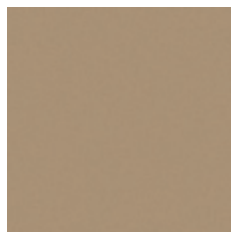
nora® Lunasoft AL EVA expanded sheets, smooth



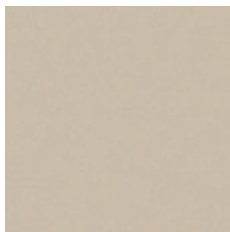
07 beige



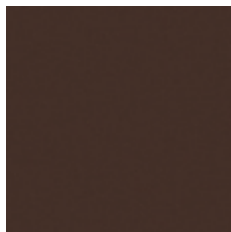
09 white



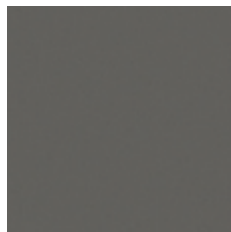
17 grey beige



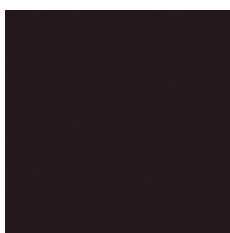
19 stone



46 dark brown



56 stone grey



81 black

Hardness:

approx. 52 Shore A

Density:

approx. 0.26 g/cm³

Format:

approx. 920x560 mm // 36.2"x22.0"

Colours:

07 beige

09 white

17 grey beige

19 stone

56 stone grey

46 dark brown

81 black

Thicknesses:

6 | 8 | 10 | 20 mm

6 | 8 | 10 | 14 | 20 mm

nora® Lunasoft AL is a lightweight and stable EVA expanded sheet which is above all particularly suited as lifting material for sports and leisure shoes and flexible street shoes. This high-quality lifting material is characterised by low weight and high stability.

Intended applications:

for insoles, sport insoles and foot beddings as stabilising shaping element, e.g. to support the backfoot.

Processing notes:

thermoformable at 120°–170° C // 248°–338° F.

Lift sheets and cushioning sheets

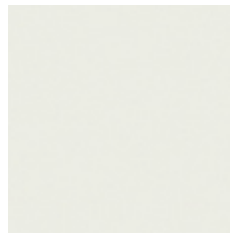
nora® Lunalight A EVA expanded sheets, smooth



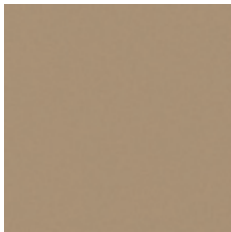
05 light beige



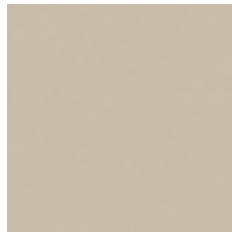
07 beige



09 white



17 grey beige



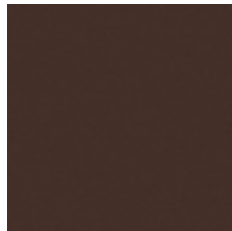
19 stone



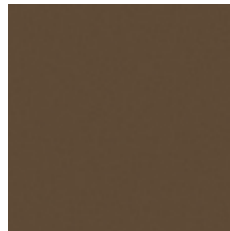
35 medium brown



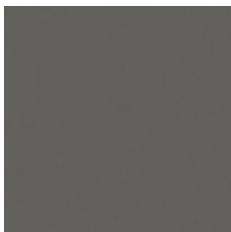
41 pale brown



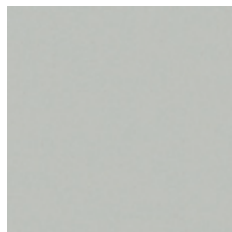
46 dark brown



54 smoke



56 stone grey



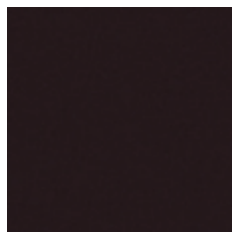
60 bright grey



78 dark blue



80 anthracite



81 black



89 red



352 jeans blue

Hardness:

approx. 58 Shore A

Density:

approx. 0.35 g/cm³

Format:

approx. 860x550 mm // 33.9"x21.7"

Colours:

07 beige
09 white
17 grey beige
19 stone
46 dark brown
56 stone grey
60 bright grey
78 dark blue

Thicknesses:

4 | 6 | 8 | 10 | 12 | 20 mm

05 light beige 6 | 8 | 10 | 20 mm

35 medium brown

41 pale brown

54 smoke

80 anthracite

89 red

352 jeans blue

81 black 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14
and also 16 | 20 | 24 mm

Intended applications:

lift sheets, for roll soles (for butterfly or joint rolls), for elevation of outer and inner edges, for midsoles, for shell bottoms.

Properties:

particularly hard and rigid, dimensionally stable.

Processing notes:

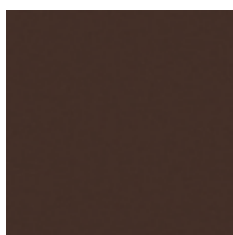
usual EVA bonding, thermoformable at 120°–170° C // 248°–338° F.

Lift sheets and cushioning sheets

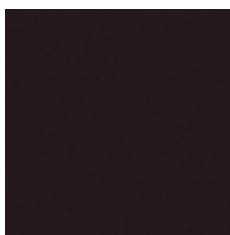
nora® Lunacell EVA expanded sheets, smooth and perforated



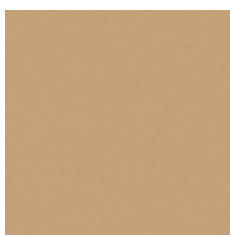
07 beige
smooth



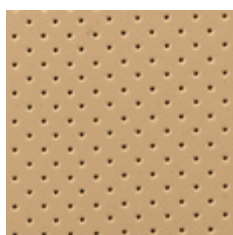
46 dark brown
smooth



81 black
smooth



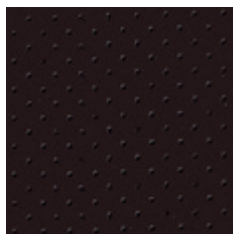
07 beige
smooth



07 beige
perforated



81 black
smooth



81 black
perforated

Hardness:
approx. 68 Shore A

Density:
approx. 0.37 g/cm³

▼ SMOOTH

Format:
approx. 850x540 mm // 33.5" x 21.3"

Colours: 07 beige
Thicknesses: 2|3|4|5|6|8|10|12 mm

46 dark brown 10|20 mm
81 black

Intended applications:

lift sheets for working shoes with high demands, for Thomas heels with frontal median, for ladies' block heels, for wedge bottoms, for midsoles and stabilising parts for sports shoes in connection with Lunasoft AL, SL, SLW, and Lunalight A, for insoles and foot beddings as high-stress reinforcing element.

Properties:

anti-slip, scratch- and tear-resistant, highly stable, and unsusceptible to deformation, particularly hard and rigid, excellent trim properties.

▼ SMOOTH AND PERFORATED

Format:
approx. 1080x850 mm // 42.5" x 33.5"

Colours: 07 beige
Thickness: 1.5 mm
81 black

Intended applications:

covering material for smooth or formed insoles of ladies', men's and children's shoes. Ideal for insoles in shoes with membrane system.

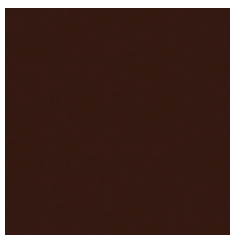
Properties:

particularly durable for thin insoles.

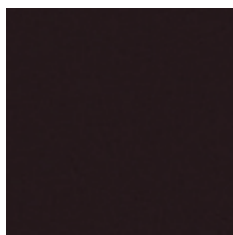
Processing notes:

usual EVA bonding, thermoformable at 120°–170° C // 248°–338° F, depending on thickness.

nora® Schweizer Puffergummi Expanded rubber sheets, smooth



40 terracotta



81 black

Hardness:
approx. 23 Shore A

Density:
approx. 0.35 g/cm³

Format:
approx. 840x520 mm // 33.1" x 20.4"

Colours: 40 terracotta
Thickness: 12 mm
81 black

nora® Schweizer Puffergummi is the first choice for applications requiring high resilience and shock-absorbance as well as dimensional stability.

Properties:

excellent shock-absorbing properties. Excellent walking comfort thanks to a combination of very low Shore hardness and a high restoration capability.

Composite sheets

► **nora® Lunatec combi sheets are vulcanised compositions of proven nora® qualities. Permanently bonded ...**



nora® Lunatec combi is an innovative product development in composite sheets: two or three different materials are vulcanised together already during the manufacturing process and guarantee secure strength, without any bonding. **nora® Lunatec combi** is the ideal basis for the manufacture of foot beddings and insoles in orthopaedic shoe engineering.

Permanently bonded ... these are your benefits:

- No gluing required.
- No displacement of the different materials when processing.
- A higher retention of volume because you save at least one deep drawing.
- The composite sheets are thermoformable between 120°–130° C // 248°–266° F.
- Further advantages as compared to glued products:
No bubble formation at the joints and no hardening because of the adhesive film.

Benefit from the efficient insole manufacture thanks to time and cost savings.

In orthopaedics shoe engineering, different material combinations are used depending on diagnosis, symptoms, and weight of the patients. We already vulcanised a lot of different combinations of materials with bedding, permanently resilient, or stabilising functions for you. And **you** decide which composite sheet is suitable for the individual patient and which materials are to be added to guarantee an ideal treatment of the patient.

nora® Lunatec combi 1 EVA expanded sheets, trimmed edges

The vulcanised combination of:



Format: approx. 925 x 580 mm
// 36.4" x 22.8"

nora® Lunalastik

permanently resilient cushioning properties

Hardness:
approx. 25 Shore A

Density:
approx. 0.23 g/cm³

Colour: 07 beige **Thickness:** approx. 6 mm

nora® Lunasoft AL

stabilising properties

Hardness:
approx. 52 Shore A

Density:
approx. 0.26 g/cm³

Colour: 09 white **Thickness:** approx. 8 mm

Intended applications:

basis for orthopaedic foot beddings and insoles with permanently resilient and stabilising function for increased stress. Suitable for geriatric foot, diabetes, and rheumatism, but also suitable as basis for sports insoles.

nora® Lunatec combi 2 EVA expanded sheets, trimmed edges

The vulcanised combination of:



Format: approx. 880 x 600 mm
// 34.6" x 23.6"

nora® Lunairflex

bedding cushioning properties

Hardness:
approx. 22 Shore A

Density:
approx. 0.12 g/cm³

Colour: 07 beige **Thickness:** approx. 6 mm

nora® Lunasoft SLW

permanently resilient cushioning properties

Hardness:
approx. 30 Shore A

Density:
approx. 0.20 g/cm³

Colour: 17 grey beige **Thickness:** approx. 10 mm

Intended applications:

basis for orthopaedic foot beddings, in particular diabetes-adapted foot beddings with bedding and at the same time permanently resilient function. Suitable for moderate stress given sensitive feet (e.g. geriatric foot), rheumatism, and advanced-stage diabetes.

nora® Lunatec combi 3 EVA expanded sheets, trimmed edges

The vulcanised combination of:



Format: approx. 870x580 mm
// 34.3"x22.8"

nora® Lunalastik

permanently resilient cushioning properties

Hardness:
approx. 25 Shore A

Density:
approx. 0.23 g/cm³

Colour: 07 beige **Thickness:** approx. 6 mm

nora® Lunasoft SLW

permanently resilient cushioning properties

Hardness:
approx. 30 Shore A

Density:
approx. 0.20 g/cm³

Colour: 19 stone **Thickness:** approx. 10 mm

Intended applications:

basis for orthopaedic foot beddings, in particular diabetes-adapted foot beddings with permanently resilient function. Best suitable for medium stress for the management of geriatric foot, and advanced-stage diabetes and rheumatism.

nora® Lunatec combi 4 EVA expanded sheets, trimmed edges

The vulcanised combination of:



Format: approx. 870x540 mm
// 34.3"x21.3"

nora® Lunairflex

bedding cushioning properties

Hardness:
approx. 22 Shore A

Density:
approx. 0.12 g/cm³

Colour: 07 beige **Thickness:** approx. 3 mm

nora® Lunalastik

permanently resilient cushioning properties

Hardness:
approx. 25 Shore A

Density:
approx. 0.23 g/cm³

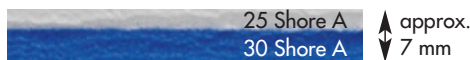
Colour: 09 white **Thickness:** approx. 6 mm

Intended applications:

basis for orthopaedic foot beddings, in particular diabetes-adapted foot beddings with bedding and at the same time permanently resilient function. Best suitable for increased stress for the management of geriatric foot, and advanced-stage diabetes and rheumatism. The combination with a stabilising nora® Luna product, e.g. Lunasoft AL, Lunalight A or Lunacell A is recommended.

nora® Lunatec combi 5 EVA expanded sheets, trimmed edges

The vulcanised combination of:



Format: approx. 950x600 mm
// 37.4"x23.6"

nora® Lunalastik

permanently resilient cushioning properties

Hardness:
approx. 25 Shore A

Density:
approx. 0.23 g/cm³

Colour: 60 bright grey **Thickness:** approx. 3 mm

nora® Lunasoft SLW

permanently resilient cushioning properties

Hardness:
approx. 30 Shore A

Density:
approx. 0.20 g/cm³

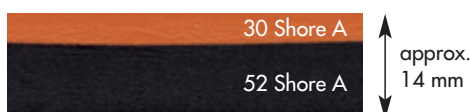
Colour: 111 royal blue **Thickness:** approx. 4 mm

Intended applications:

basis for efficiently finished, thin, permanently resilient insoles, e.g. a long-soled insole with optimal soft bedding in the forefoot. Suitable for the cushioning of orthoses, prostheses, and soft sockets.

nora® Lunatec combi 6 EVA expanded sheets, trimmed edges

The vulcanised combination of:



Format: approx. 880x560 mm
// 34.6"x22.0"

nora® Lunasoft SLW

permanently resilient cushioning properties

Hardness:
approx. 30 Shore A

Density:
approx. 0.20 g/cm³

Colour: 137 terra **Thickness:** approx. 4 mm

nora® Lunasoft AL

stabilising properties

Hardness:
approx. 52 Shore A

Density:
approx. 0.26 g/cm³

Colour: 81 black **Thickness:** approx. 10 mm

Intended applications:

basis for efficiently finished sporty and modern insoles or foot beddings, e.g. long-soled sports insoles.

Composite sheets

nora® Lunatec combi 7 EVA expanded sheets, trimmed edges

The vulcanised combination of:



Format: approx. 1180x840 mm
// 46.5" x 33.1"

nora® Lunasoft SLW

permanently resilient cushioning properties

Hardness:
approx. 30 Shore A

Density:
approx. 0.20 g/cm³

Colour: 07 beige
Thickness: approx. 3 mm

nora® Lunasoft SL

stabilising properties

Hardness:
approx. 40 Shore A

Density:
approx. 0.20 g/cm³

Colour: 19 stone grey
Thickness: approx. 4 mm

Intended applications:

ideal basis for the efficient manufacture of an insole, soft-wall funnel-shaped sleeve or a soft socket. In combination with other nora® Luna products, this material is the perfect basis for orthopaedic foot beddings for the management of geriatric feet, diabetes and rheumatism.

nora® Lunatec combi 8 EVA expanded sheets, trimmed edges

The vulcanised combination of:



Format: approx. 880x560 mm
// 34.6" x 22.0"

nora® Lunatec EP

permanently resilient cushioning properties

Hardness:
approx. 22 Shore A

Density:
approx. 0.20 g/cm³

Colour: 131 red
Thickness: approx. 4 mm

nora® Lunatec SE

stabilising properties

Hardness:
approx. 45 Shore A

Density:
approx. 0.28 g/cm³

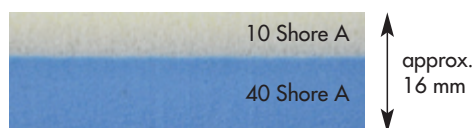
Colour: 81 black
Thickness: approx. 8 mm

Intended applications:

basis for efficiently finished sporty and modern insoles or foot beddings with high restoration capability, e.g. long-soled sports insoles.

nora® Lunatec combi motion 1 EVA expanded sheets, trimmed edges

The vulcanised combination of:



Format: approx. 1200x960 mm
// 47.1" x 37.8"

nora® Lunatec motion

bedding properties

Hardness:
approx. 10 Shore A

Density:
approx. 0.13 g/cm³

Colour: 06 silk
Thickness: approx. 6 mm

nora® Lunasoft SL

stabilising properties

Hardness:
approx. 40 Shore A

Density:
approx. 0.20 g/cm³

Colour: 27 light blue
Thickness: approx. 10 mm

The upper layer of nora® Lunatec motion is extremely soft, making it ideal especially as a bedding for people with foot pain and as an absorption of shearing forces caused by walking. A large part of the load of the musculoskeletal system is being removed, and therefore the pain. What must be highlighted here as well are its **excellent bedding and damping properties in the horizontal load plane**. The objective of treatment with nora® Lunatec combi motion 1 may be, for instance, to minimise the shearing forces between the footbed and the sole, and in this manner alleviate the pain. The soft feel enables the patient to consciously place their feet, despite previous periods of pain.

Intended applications:

for insoles and damping inside a shoe; most of all for patients with painful foot or joint diseases like rheumatism or for sensitive diabetic feet. Useful in areas that are very pressure sensitive, to minimise pain through lesser shear forces.

nora® Lunatec combi cork 1 EVA expanded sheets, trimmed edges

The vulcanised combination of:



Format: approx. 1120x880 mm
// 44.1" x 34.6"

nora® Lunatec combi cork 1 is a vulcanised composite sheet with a stabilising EVA layer containing a high cork fraction. This composite sheet is therefore the ideal basis for the production of durable insoles. In addition, the permanently resilient cushioning layer presents a roughened velvety surface ideal for attaching leather covers.

nora® Lunalastik

permanently resilient cushioning properties

Hardness:
approx. 25 Shore A

Density:
approx. 0.23 g/cm³

Colour: 07 beige **Thickness:** approx. 6 mm

nora® Lunatec cork H

stabilising properties

Hardness:
approx. 50 Shore A

Density:
approx. 0.35 g/cm³

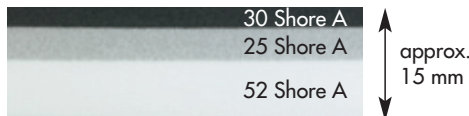
Colour: 205 cork **Thickness:** approx. 8 mm

Intended applications:

permanently resilient and stabilising basis for orthopaedic footbeds and supporting insoles, e.g. for counteracting abnormal strain on the musculoskeletal system from skew, flat, splay, or hollow feet. Depending on the difficulty and type of treatment, nora® Lunatec combi cork 1 can be supplemented with additional solid, stabilising material, e.g. Norit, Lunacell, or Lunalight.

nora® Lunatec combi T1 EVA expanded sheets, trimmed edges

The vulcanised combination of:



Format: approx. 880x590 mm
// 34.6" x 23.2"

The 3-layer composite sheet nora® Lunatec combi T1 is a material which is above all specifically suitable for the treatment of rheumatics and clinical pictures with especially sensitive feet. The special feature of nora® Lunatec combi T1 is the softness of its center layer. Embedded in two harder layers, it minimises the occurring shear forces with every foot strike which leads to ease of the musculoskeletal system.

Thanks to the special structure of this composite sheet, it offers excellent cushioning and damping proper-

nora® Lunasoft SLW

Hardness:
approx. 30 Shore A

Density:
approx. 0.20 g/cm³

Colour: 80 anthracite

Thickness:
approx. 3 mm

nora® Lunasoft Z

Hardness:
approx. 25 Shore A

Density:
approx. 0.17 g/cm³

Colour: 307 medium grey

Thickness:
approx. 4 mm

nora® Lunasoft AL

Hardness:
approx. 52 Shore A

Density:
approx. 0.26 g/cm³

Colour: 09 white

Thickness:
approx. 8 mm

ties in the horizontal load plane. This effect is the result of the layers being vulcanised. The materials with different hardnesses were fused in a smooth transition and there are no bonded layers which could interfere negatively with this function.

Intended applications:

orthopaedic foot beddings with excellent cushioning and damping properties in the horizontal load plane, specifically for rheumatics and clinical pictures with sensitive feet. Depending on the difficulty and the type of the treatment, nora® Lunatec combi T1 can be supplemented by a further solid stabilising material such as e.g. Norit, Lunacell, or Lunalight.

Composite wedge strips

nora® Lunatec combi SK 1 EVA expanded wedge strips

The vulcanised combination of:



Formats: approx. 850x270 mm (size 1/35–39)
// 33.5" x 10.6"
approx. 850x300 mm (size 2/40–44)
// 33.5" x 11.8"
approx. 850x340 mm (size 3/45–49)
// 33.5" x 13.4"

Thanks to its wedge-like shape, nora® Lunatec combi SK 1 is the ideal basis for the efficient manufacture of insoles in just a few process steps.

nora® Lunalastik

permanently resilient cushioning properties

Hardness:
approx. 25 Shore A

Density:
approx. 0.23 g/cm³

Colour: 07 beige **Thickness:** approx. 6 mm

nora® Lunasoft AL

stabilising properties

Hardness:
approx. 52 Shore A

Density:
approx. 0.26 g/cm³

Colour: 09 white **Thickness:** approx. 2–8 mm

Intended applications:

the composite wedge nora® Lunatec combi SK 1 is the perfect combination for manufacturing individual long-soled sports insoles and long-soled insoles for flat splay feet. Combined with other Luna products, nora® Lunatec combi SK 1 provides an excellent basis for orthopaedic foot beddings and insoles for geriatric feet and rheumatism.

Stabilising sheets

nora® Norit L Semi-expanded sheets, smooth



336 sandy

Hardness: approx. 93 Shore A	Density: approx. 0.90 g/cm ³	Colour: 336 sandy	Thicknesses: 2 3 mm
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Format:
approx. 1000x800 mm // 39.4"x31.5"

Intended applications:

stabilising material for orthopaedic shoe elements, e.g. stiff tongues, ankle supports, peroneal caps, heel caps, and insoles; as a lasting allowance; or for last repairs. Also ideal as a place holder on lasts.

Properties:

high dimensional stability and resilience, excellent fatigue bending properties, ideal for forming, stitching, punching, cutting, and polishing to a velvet finish.

Processing notes:

excellent gluing properties, thermoformable at 110°–130° C // 230°–266° F; after forming, leave to cool down completely.

nora® Norit Semi-expanded sheets, smooth



25 leather coloured

Hardness: approx. 95 Shore A	Density: approx. 1.05 g/cm ³	Colour: 25 leather coloured	Thicknesses: 2 3 mm
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Format:
approx. 1000x795 mm // 39.4"x31.3"

Intended applications:

stabilising material for insert elements in orthopaedic shoes, e.g. rigid tongues, ankle supports, peroneal caps, and insoles. Ideal as place holder on the last, re-usable several times.

Properties:

high dimensional stability and resilience. Excellent bending endurance, can be excellently sewn, cut, milled, and ground. Wear-resistant and washable.

Processing notes:

easy to bond with polychloroprene adhesive, thermoformable at 120°–150° C // 248°–302° F.

nora® LunaPur M Compact EVA sheet, smooth



0000 transparent

Hardness: approx. 77 Shore A	Density: approx. 0.95 g/cm ³	Colour: 0000 transparent
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Format:
approx. 1000x670 mm // 39.4"x26.4"
for individual blanks

Thicknesses:
2|3|4|6 mm

Format:
approx. 400x400 mm // 15.7"x15.7"
for deep drawing frame / heated table

Thicknesses:
9|12|13,5 mm

Intended applications:

very flexible fitting shoes or shafts; formed parts for stabilisation; inner sockets for arm and leg prosthetics; orthopaedic device elements; reinforcement for padded tongues, arthrodesis, peroneal, or ankle caps; as front caps or for stabilising insoles and foot beddings.

Properties:

extremely flexible, permanently resilient, dimensionally extremely stable, pliable, high tensile, excellent thermoformable (oven, heated plate, hot air blower), subsequently thermoformable, exceptionally easy to sand (for velvet finish), washable and disinfected, skin compatible. nora® LunaPur M has excellent gluing properties, also to itself.

Processing notes:

heating time and temperature depend on the thickness of the material. Thermoformable at 100°–130° C // 212°–266° F; on thin sheets the working temperature should not exceed 110° C // 230° F. nora® LunaPur M can be heated in an infrared or hot air oven, on a heated plate, or with a hot air blower; heat the material on Teflon film only, and use talcum powder when forming on wooden lasts to prevent adhesion. After forming, leave to cool down completely.

nora® Lunatec CAD 25 EVA expanded sheets, milling material, trimmed edges



07 beige

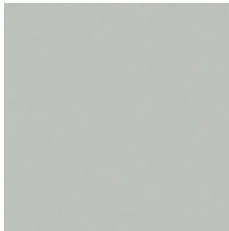
Hardness:
approx. 25 Shore A

Density:
approx. 0.12 g/cm³

Formats:
approx. 1150x750 mm // 45.3" x 29.5"
approx. 1500x1150 mm // 59.0" x 45.3"

Colour: 07 beige **Thicknesses:** 30 | 35 mm

nora® Lunatec CAD 35 EVA expanded sheets, milling material, trimmed edges



60 bright grey

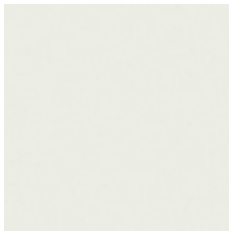
Hardness:
approx. 35 Shore A

Density:
approx. 0.17 g/cm³

Formats:
approx. 1160x770 mm // 45.6" x 30.3"
approx. 1540x1160 mm // 60.6" x 45.6"

Colour: 60 bright grey **Thicknesses:** 30 | 35 mm

nora® Lunatec CAD 45 EVA expanded sheets, milling material, trimmed edges



09 white

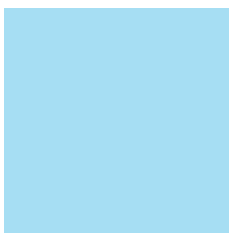
Hardness:
approx. 45 Shore A

Density:
approx. 0.22 g/cm³

Formats:
approx. 1080x710 mm // 42.5" x 27.9"
approx. 1420x1080 mm // 55.8" x 42.5"

Colour: 09 white **Thicknesses:** 30 | 35 mm

nora® Lunatec CAD 55 EVA expanded sheets, milling material, trimmed edges



318 ice blue

Hardness:
approx. 55 Shore A

Density:
approx. 0.28 g/cm³

Formats:
approx. 1000x650 mm // 39.3" x 25.6"
approx. 1300x1000 mm // 51.1" x 39.3"

Colour: 318 ice blue **Thicknesses:** 30 | 35 mm

Milling sheets

nora® Lunatec CAD 35 trendline EVA expanded sheets, milling material



4443 caribbean

Hardness:
approx. 35 Shore A

Density:
approx. 0.17 g/cm³

Format:
approx. 1320x920 mm // 52.0" x 36.2"

Colour: 4443 caribbean
Thickness: 32 mm

nora® Lunatec combiCAD 1 EVA expanded sheets, milling material, trimmed edges

The vulcanised combination of:



Formats: approx. 1080x710 mm // 42.5" x 27.9"
approx. 1420x1080 mm // 55.8" x 42.5"

nora® Lunatec CAD 45

Hardness:
approx. 45 Shore A

Density:
approx. 0.22 g/cm³

Colour:
56 stone grey

Thickness:
approx. 24 mm

nora® Lunasoft SLW

Hardness:
approx. 30 Shore A

Density:
approx. 0.20 g/cm³

Colour:
137 terra

Thickness:
approx. 6 mm

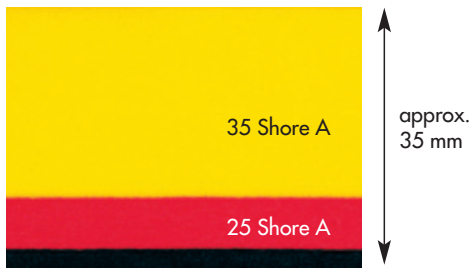
Stabilising layer

Colour:
80 anthracite

Thickness:
approx. 2 mm

nora® Lunatec combiCAD 2 EVA expanded sheets, milling material, trimmed edges

The vulcanised combination of:



Formats: approx. 1120x750 mm // 44.1" x 29.5"
approx. 1500x1120 mm // 59" x 44.1"

nora® Lunatec CAD 35

Hardness:
approx. 35 Shore A

Density:
approx. 0.17 g/cm³

Colour:
70 yellow

Thickness:
approx. 25 mm

nora® Lunasoft Z

Hardness:
approx. 25 Shore A

Density:
approx. 0.17 g/cm³

Colour:
131 red

Thickness:
approx. 7 mm

Stabilising layer

Colour:
81 black

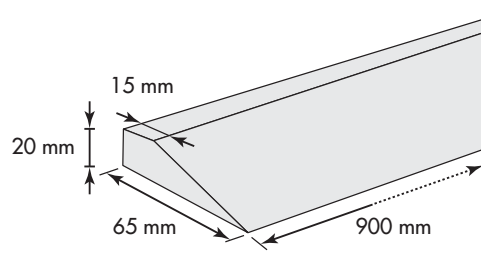
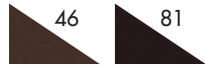
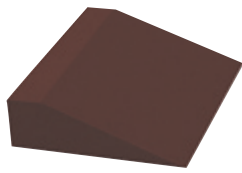
Thickness:
approx. 3 mm

nora® Lunatec combiCAD 1 und 2 are an innovative product development in milling sheets. Three different EVA expanded qualities are vulcanised together already during the manufacturing process and guarantee secure strength, without any bonding. The development aimed at combining the optimal milling behaviour and the excellent functional properties of nora® Lunatec CAD materials with the enormous advantages of vulcanised composite

sheets and thus to obtain an optimised processing.

The difference can be seen when processing the nora® milling materials: the material can be excellently milled and the values for elongation at fracture, tensile strength, and replication are excellent. Also there are no noticeable irregularities as results of irritating adhesive layers.

nora® Lunasoft SLW wedge EVA expanded wedge strips, smooth



Hardness:

approx. 30 Shore A

Density:

approx. 0.20 g/cm³

Format:

approx. 900x65x20 mm // 35.4"x2.6"x0.8"

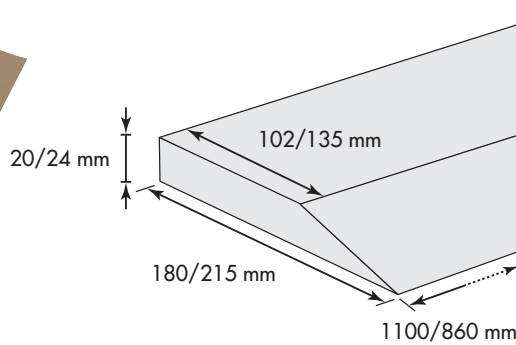
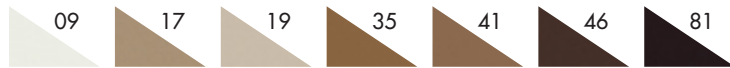
Colours:

46 dark brown
81 black

Properties:

excellent shock-absorbing properties. High walking comfort thanks to a combination of very low Shore hardness, low weight and high stability.

nora® Lunalight K EVA expanded lifting wedge strips, smooth



Hardness:

approx. 58 Shore A

Density:

approx. 0.35 g/cm³

Format:

approx. 1100x180x20 mm // 43.3"x7.1"x0.8"

Colours:

09 white
17 grey beige
19 stone
35 medium brown
41 pale brown
46 dark brown
81 black

Format:

approx. 1100x180x24 mm // 43.3"x7.1"x0.9"

Colour:

81 black

Formats:

approx. 860x215x20 mm // 33.1"x8.5"x0.8"

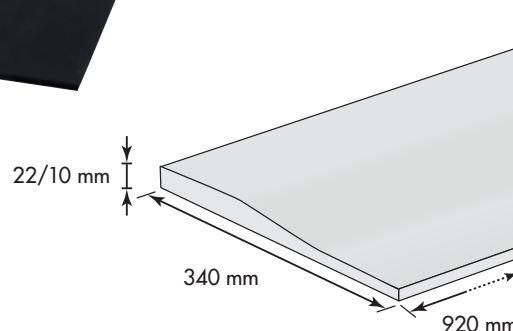
approx. 860x215x24 mm // 33.1"x8.5"x0.9"

Colour:

81 black

nora® Lunalight K are the ideal wedge strips for economic heel built-up.

nora® Lunasoft AL SK EVA expanded wedge strips, smooth



Hardness:

approx. 52 Shore A

Density:

approx. 0.26 g/cm³

Format:

approx. 920x340x22/10 mm
// 36.2"x13.4"x0.9"/0.4"

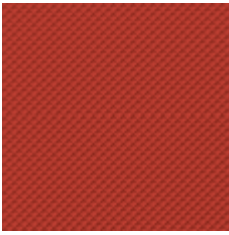
Colour:

81 black

Thanks to its wedge-like shape, nora® Lunasoft AL SK is the ideal basis for the long-soled bottom fabrication of custom-made orthopaedic shoes. There are no unsightly lines apparent from bonding and grinding can be based on a homogeneous line.

Shock-absorber

nora® Supersorb



82 brick red

Hardness:

approx. 28 Shore A

Density:

approx. 1.09 g/cm³

Format:

approx. 800x535 mm // 31.5" x 21.1"

Profile:

13 Rippled

Colour:

82 brick red

Thicknesses:

2|4|5 mm

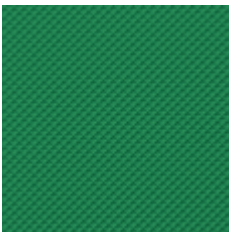
Intended applications:

very well suited for heel damping and cushioning in particular of sports shoes, function from approx. 300 kg of tread force. Both shock-absorbing and resilient, cushioning properties. Shock absorption at a thickness of 5 mm: approx. 95 %.

Processing notes:

sand slightly and bond with polychloroprene adhesive. When roughening or sanding, only press slightly onto the abrasive belt. In order to make full use of the visco-elastic properties of the material in all directions, do not bond on the complete surface, if possible.

nora® Orthosorb



98 green

Hardness:

approx. 20 Shore A

Density:

approx. 1.09 g/cm³

Format:

approx. 800x535 mm // 31.5" x 21.1"

Profile:

13 Rippled

Colour:

98 green

Thicknesses:

2|3|4 mm

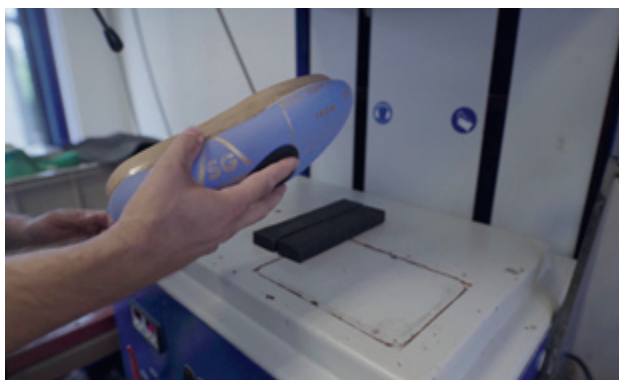
Intended applications:

very well suited for heel damping and cushioning in particular for orthopaedic shoes. As compared to nora® Supersorb, a lesser dampening of nora® Orthosorb ensures a better cushioning and higher resilience, up to a tread force of approx. 300 kg. This corresponds to the walking load of a person of approx. 80 kg. Shock absorption at a thickness of 4 mm: approx. 83 %.

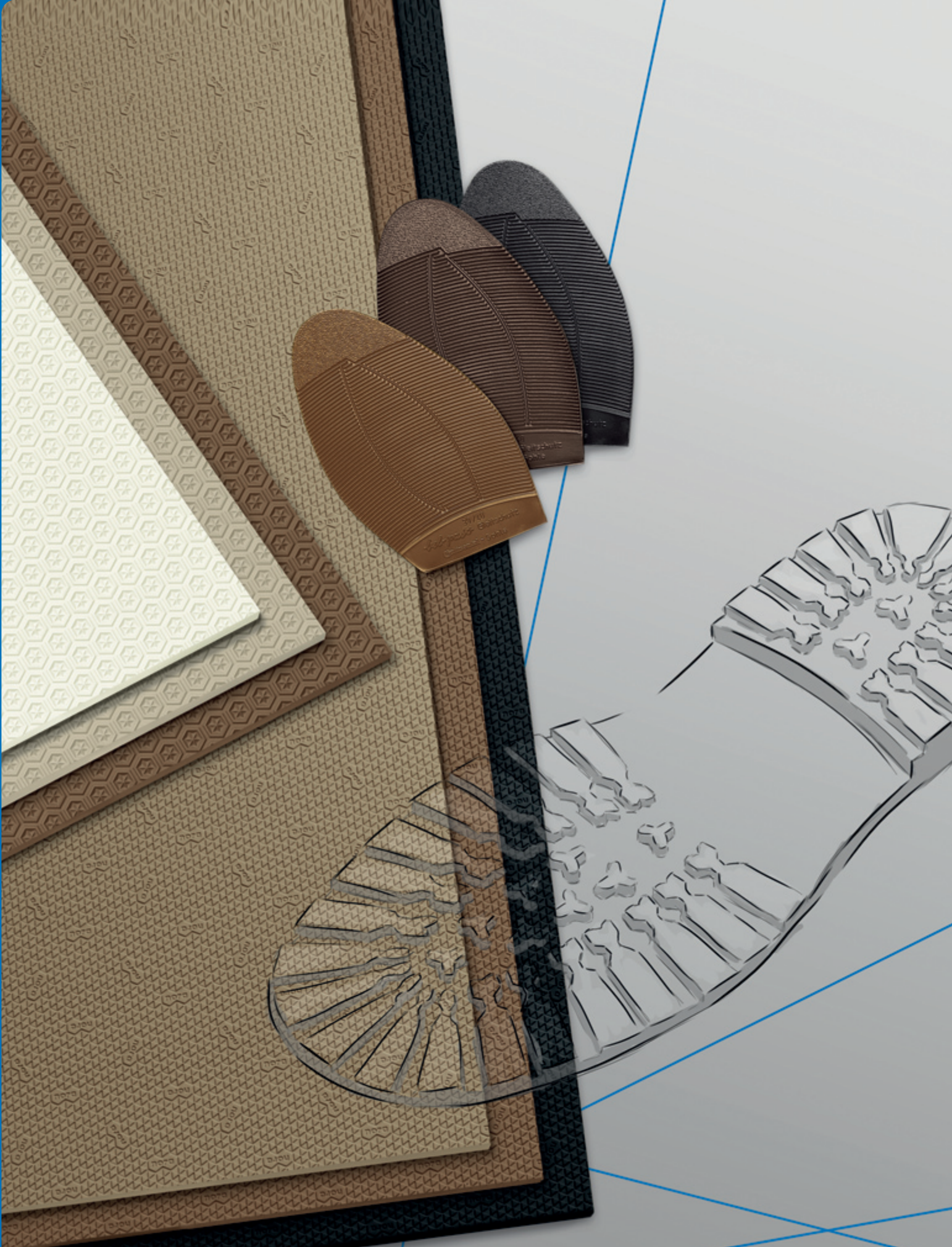


Are you already aware of our YouTube Channel?

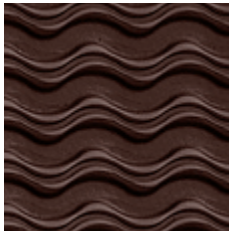
In our technical videos we explain material characteristics, e.g. the absorption of shearing forces through the utilisation of **Lunatec motion**. We show step by step how to make an insole with **nora®** EVA materials, for example for amateur sports that is made with EVA materials **nora® Lunatec combi 8** and **nora® Lunatec motion**.



Outsole material



nora® Lunasoft



46 dark brown



81 black

Hardness:

approx. 50 Shore A

Density:

approx. 0.38 g/cm³

▼ PROFILE: 78 COARSE WAVE

Format:

approx. 1040x800 mm // 40.9" x 31.5"

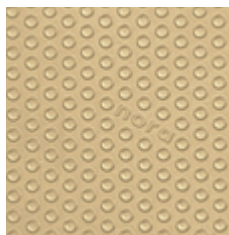
Colours:

46 dark brown

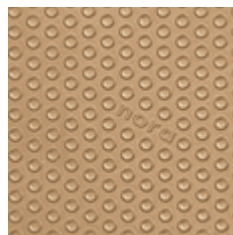
81 black

Thickness:

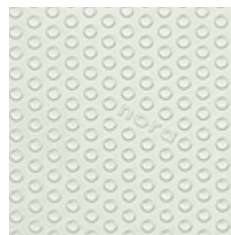
8 mm



05 light beige



07 beige



09 white

▼ PROFILE: 97 PASTILLE

Format:

approx. 800x520 mm // 31.5" x 20.4"

Colours:

05 light beige

07 beige

17 grey beige

19 stone

35 medium brown

41 pale brown

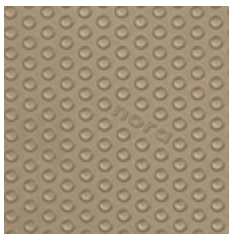
56 stone grey

60 bright grey

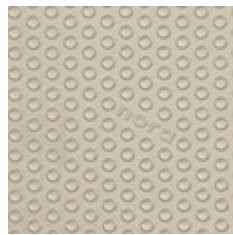
78 dark blue

Thicknesses:

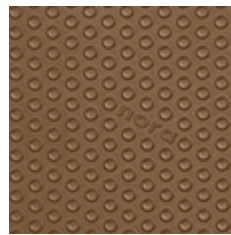
4 | 6 | 8 mm



17 grey beige



19 stone



35 medium brown

Colours:

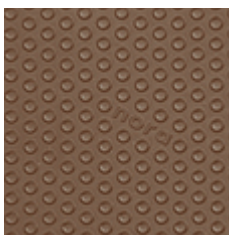
09 white

46 dark brown

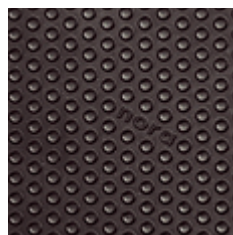
81 black

Thicknesses:

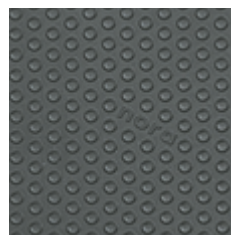
4 | 6 | 8 | 10 mm



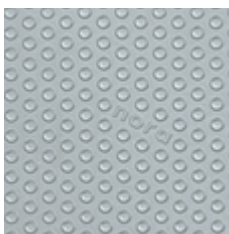
41 pale brown



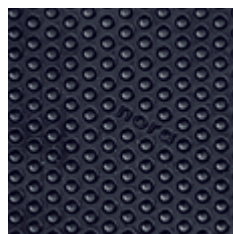
46 dark brown



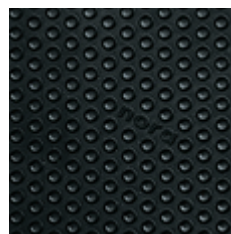
56 stone grey



60 bright grey



78 dark blue



81 black

nora® Lunasoft is an EVA expanded soling sheet, especially developed for orthopaedic shoe engineering. The Lunasoft grade is the ideal combination of low weight and excellent abrasion-resistance. This soling sheet is specifically lightweight, flexible, resilient, dimensionally stable and is characterised by a high walking comfort.

The pastille profile of nora® has become a classic among the lightweight and resilient soling materials for repairs and original outfit. The non-directional "nora" in the profile makes this soling sheet a branded product with recognition factor and documents the high quality level of nora® premium products.

Intended applications:

- ▶ for sports and leisure shoes
- ▶ for resilient street shoes
- ▶ for orthopaedic shoes
- ▶ for interim and bathing shoes

Processing notes:

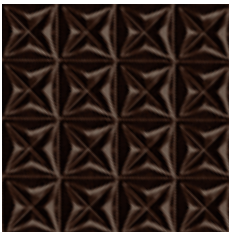
- ▶ usual EVA bonding
- ▶ adapt contact pressure to the flexibility of the material
- ▶ thermoformable at 120°–170° C // 248°–338° F
- ▶ bonding with polychloroprene adhesives
- ▶ PVC adhesives are not recommended

Soling sheets

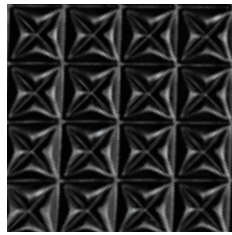
nora® Astro Soft are anti-slip soling sheets made of expanded rubber. Its low weight is a paramount requirement for modern outsole sheets, alongside premium quality and minimum abrasion.

The colours available with the nora® Astro Soft assortment and those used for the nora® EVA materials are perfectly harmonised and combinable.

nora® Astro Soft



46 dark brown



81 black

Hardness:
approx. 45 Shore A

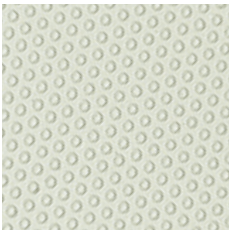
Density:
approx. 0.40 g/cm³

▼ PROFILE: 09 COARSE CROSS PATTERN

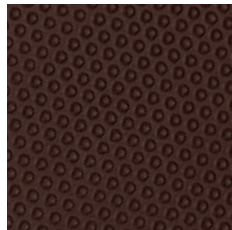
Format:
approx. 820x510 mm // 32.2"x20.1"

Colours: 46 dark brown
81 black

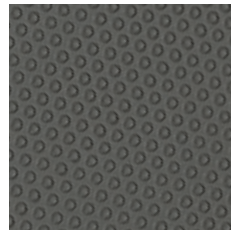
Thicknesses: 6|8 mm



09 white



46 dark brown



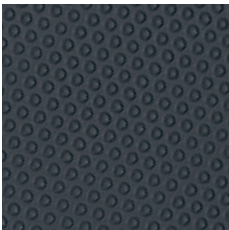
56 stone grey

▼ PROFILE: 87 MINI NON-SLIP

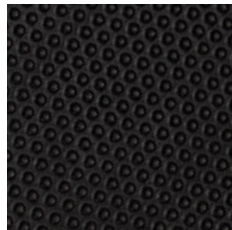
Format:
approx. 820x510 mm // 32.2"x20.1"

Colours: 09 white
46 dark brown
56 stone grey
80 anthracite
81 black

Thicknesses: 6|8 mm



80 anthracite



81 black

Format:
approx. 800x485 mm // 31.5"x19.1"

Colours: 09 white
46 dark brown
81 black

Thickness: 4 mm



17 grey beige



19 stone

▼ PROFILE: 96 BLOCK FINE

Format:
approx. 840x510 mm // 33.1"x20.1"

Colours: 17 grey beige
19 stone
46 dark brown
81 black

Thicknesses: 4|6|8 mm



46 dark brown



81 black

nora® Astro Soft profile 96 block fine is the ideal outsole for elegant and sporty footwear. The non-directional "nora" in the profile makes this soling sheet a branded product with recognition factor.

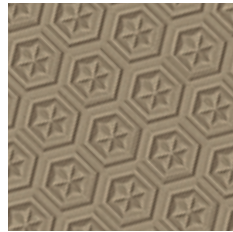
nora® Astrolight are anti-slip soling sheets made of expanded rubber. When developing the Astrolight grade, particular attention was directed to maintain the known good properties of Astro and at the same time to reduce the weight of the material.

The result: **nora® Astrolight** has a weight which was reduced by approx. 20 %. Low weight, excellent abrasion and extraordinary resilience make Astrolight the soling sheet for sophisticated demands in repair, shoe finishing, and production of flexible footwear.

nora® Astrolight Star



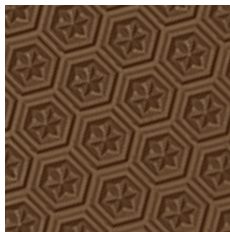
09 white



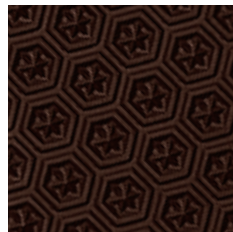
17 grey beige



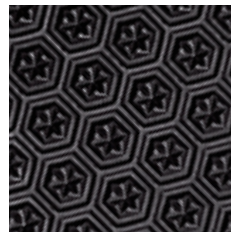
19 stone



41 pale brown



46 dark brown



81 black

Hardness:

approx. 50 Shore A

Density:

approx. 0.50 g/cm³

▼ PROFILE: 64 STAR

Format:

approx. 940x535 mm // 37.0"x21.1"

Colours:

09 white
17 grey beige
19 stone
41 pale brown
46 dark brown
81 black

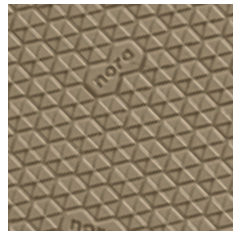
Thicknesses:

4|6 mm

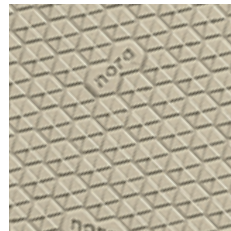
nora® Astrolight Delta



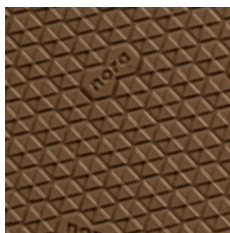
09 white



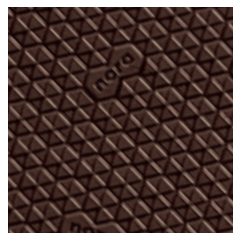
17 grey beige



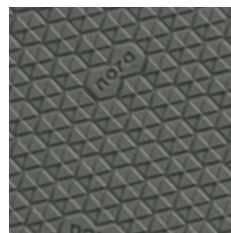
19 stone



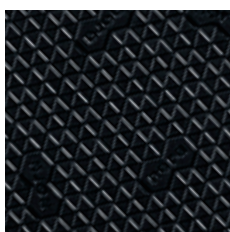
41 pale brown



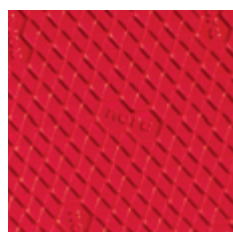
46 dark brown



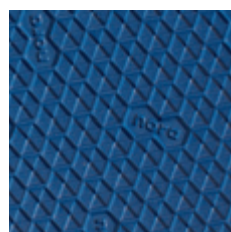
56 stone grey



81 black



89 red



352 jeans blue

Hardness:

approx. 50 Shore A

Density:

approx. 0.50 g/cm³

▼ PROFILE: 95 DELTA

Format:

approx. 950x535 mm // 37.4"x21.1"

Colours:

09 white
17 grey beige
19 stone
41 pale brown
46 dark brown
56 stone grey
81 black
89 red
352 jeans blue

Thicknesses:

4|6 mm

The profile 95 delta means an extraordinary look and safe tread. The small triangles of the profile are arranged to form a hexagon. The brand **nora®** harmoniously and non-directionally fits into the product range.

Soling sheets

nora® Astro are anti-slip soling sheets made of expanded rubber. With its low specific weight and its high slip- and abrasion-resistance, this soling grade is thus in particular suitable for use in orthopaedic shoes, shoe finishings, and demanding shoe repairs.

The colours of the **nora® Astro** range are matched to the colours of the **nora® EVA** materials and can be ideally combined.

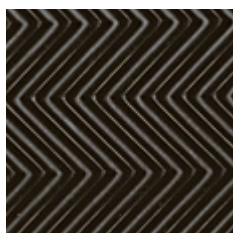
nora® Astro



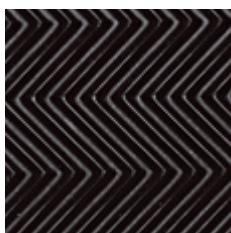
46 dark brown



81 black



57 smoke



81 black



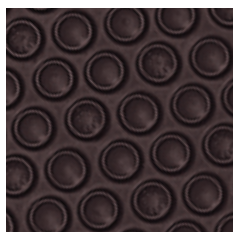
57 smoke



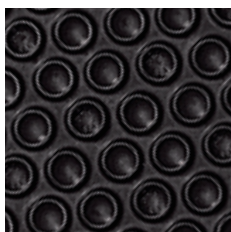
81 black



101 leather brown



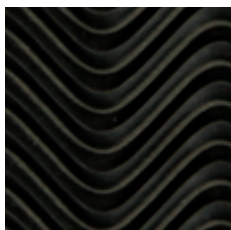
57 smoke



81 black



60 bright grey



81 black

Hardness:
approx. 50 Shore A

Density:
approx. 0.65 g/cm³

▼ PROFILE: 43 RECORD

Format:
approx. 900x900 mm // 35.4" x 35.4"

Colours: 46 dark brown
81 black

Thicknesses: 4|6|8 mm

▼ PROFILE: 58 COARSE WAVE

Format:
approx. 1020x880 mm // 40.2" x 34.6"

Colours: 57 smoke
81 black

Thickness: 6 mm

▼ PROFILE: 62 MEDIUM CREPE

Format:
approx. 880x510 mm // 34.6" x 20.1"

Colours: 57 smoke
81 black
101 leather brown

Thicknesses: 6 mm

▼ PROFILE: 65 SUCTION CUP

Format:
approx. 1020x880 mm // 40.2" x 34.6"

Colours: 57 smoke
81 black

Thicknesses: 5|6 mm

▼ PROFILE: 458 SINUS

Format:
approx. 1000x860 mm // 39.4" x 33.9"

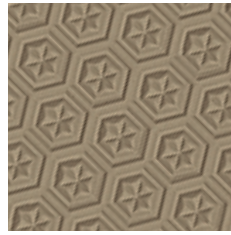
Colours: 60 bright grey
81 black

Thicknesses: 4.5|6 mm

nora® Astro



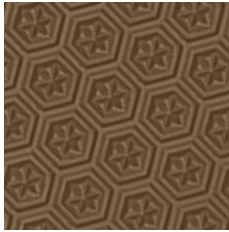
09 white



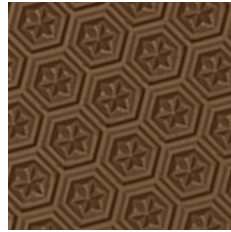
17 grey beige



19 stone



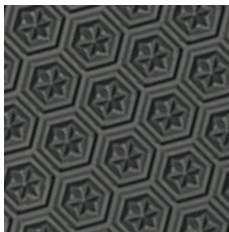
35 medium brown



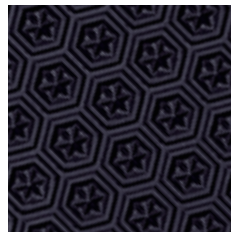
41 pale brown



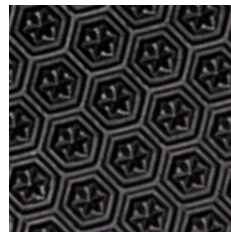
46 dark brown



56 stone grey



78 dark blue



81 black

Hardness:
approx. 50 Shore A

Density:
approx. 0.65 g/cm³

▼ PROFILE: 64 STAR

Formats:
approx. 860x500 mm
// 33.9" x 19.7"
approx. 880x510 mm
// 34.6" x 20.1"

Thicknesses:
4 mm
6 mm

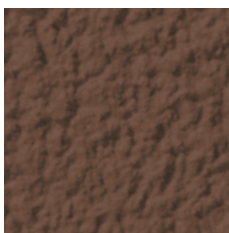
Colours:
09 white
17 grey beige
19 stone
35 medium brown
41 pale brown
46 dark brown
56 stone grey
78 dark blue
81 black

Format:
approx. 880x510 mm
// 34.6" x 20.1"

Thickness:
8 mm

Colour:
81 black

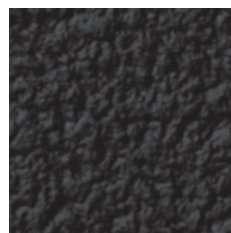
nora® Astral soft



41 pale brown



51 black brown



81 black

Hardness:
approx. 47 Shore A

▼ PROFILE: 59 COARSE CREPE

Format:
ca. 800x465 mm // 31.5" x 18.3"

Colours:
41 pale brown
51 black brown
81 black

Thicknesses:
3,5 | 6 mm

nora® Astral soft is a range of high quality soling sheets of transparent compact rubber, an extremely soft, slip resistant, and abrasion proof special mixture with excellent bonding properties.

Soling sheets

nora® Astral are soling sheets made of transparent compact rubber for both sole and heel areas. The **Astral** grade is extremely wear- and slip-resistant and is characterised by a high level of extensibility. Thanks to the resilient special mixture with a hardness of approx. 69 Shore A, an excellent walking comfort is obtained.

nora® Astral is suitable both for high-quality repairs and for use as outsoles for orthopaedic shoe finishing and orthopaedic shoes. The variety of profiles and colours facilitates optimum adaptation to any shoe type and any season.

nora® Astral



03 honey



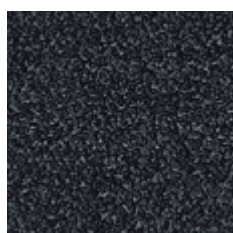
09 white



15 pebble



54 smoke



81 black

Hardness:

approx. 69 Shore A

▼ PROFILE: 26 FINE CREPE

Format:

approx. 1070x770 mm // 42.1" x 30.3"

Colours:

03 honey
09 white
15 pebble
54 smoke
81 black

Thickness:

1.8 mm

nora® Astral profile 26 fine crepe in the thickness of 1.8 is particularly suitable to produce dished edges.



01 fir



03 honey



15 pebble



43 mud



54 smoke



81 black

▼ PROFILE: 62 MEDIUM CREPE

Format:

approx. 1000x550 mm // 39.4" x 21.7"

Colours:

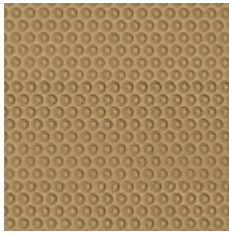
01 fir
03 honey
15 pebble
43 mud
54 smoke
81 black

Thicknesses:

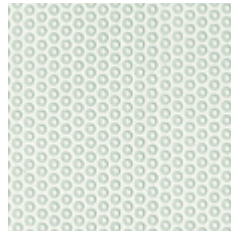
4|6 mm

4|5|6|8 mm

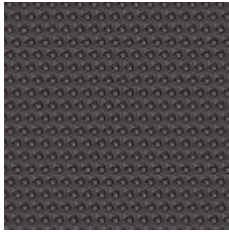
nora® Astral



03 honey



09 white



54 smoke



81 black

▼ PROFILE: 87 MINI-NON-SLIP

Format:

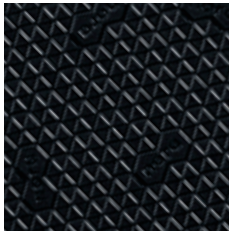
approx. 1070x770 mm // 42.1" x 30.3"

Colours:

03 honey
09 white
54 smoke
81 black

Thickness:

3 mm



81 black

▼ PROFILE: 95 DELTA

Format:

approx. 790x465 mm // 31.1" x 18.3"

Colour:

81 black

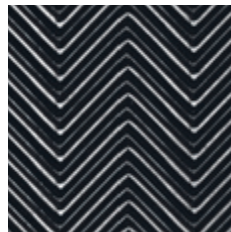
Thicknesses:

2.5 | 4 | 6 mm

nora® Astral profile 95 delta means an extra-ordinary look and safe tread. The small triangles of the profile are arranged to form a hexagon. The brand nora® harmoniously and nondirectionally fits into the product range.



09 white



81 black

▼ PROFILE: 58 COARSE WAVE

Format:

approx. 930x800 mm // 36.6" x 31.5"

Colours:

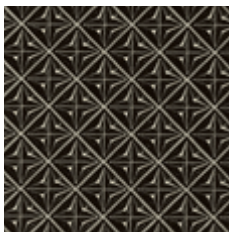
09 white
81 black

Thicknesses:

4 mm

81 black

6 mm



54 smoke

▼ PROFILE: 03 CROSS PATTERN

Format:

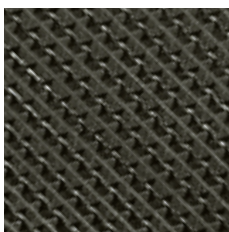
approx. 1070x770 mm // 42.1" x 30.3"

Colour:

54 smoke

Thicknesses:

4 | 6 mm



54 smoke

▼ PROFILE: 74 DOUBLE SAW TOOTH

Format:

approx. 1070x770 mm // 42.1" x 30.3"

Colour:

54 smoke

Thickness:

5 mm

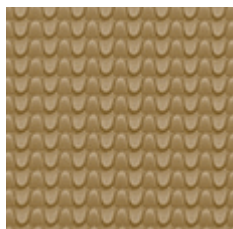
Soling sheets

nora® Durotrans are soling sheets made of transparent compact rubber with prominent profiles for both sole and heel areas. The Durotrans grade is extremely wear- and slip-resistant and possesses excellent abrasion values and a high level of flexibility. Thanks to the resilient special mixture with a hardness of approx.

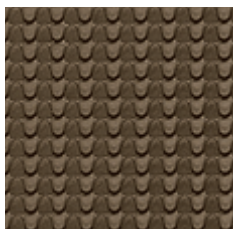
69 Shore A, an excellent walking comfort is obtained.

nora® Durotrans is suitable both for high-quality repairs and for use as outsoles for orthopaedic shoe finishing and orthopaedic shoes. The variety of profiles facilitates optimum adaptation to any shoe type and any season.

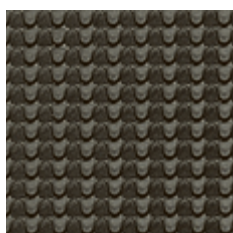
nora® Durotrans



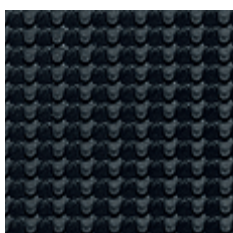
03 honey



43 mud



54 smoke



81 black

Hardness:

approx. 69 Shore A

Format:

approx. 800x500 mm // 31.5"x19.7"

▼ PROFILE: 34 GRID

Colours:

03 honey
43 mud
54 smoke
81 black

Thicknesses:

4 | 6 mm



81 black



101 leather brown

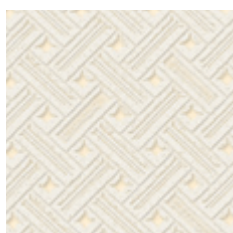
▼ PROFILE: 36 SQUARE

Colours:

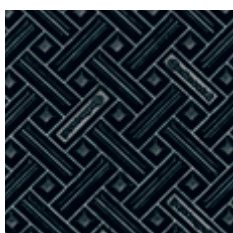
81 black
101 leather brown

Thicknesses:

4 | 6 mm



02 cream white



81 black

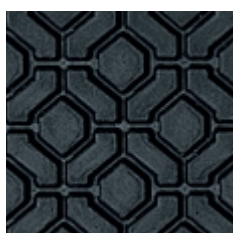
▼ PROFILE: 37 PRISM

Colours:

02 cream white
81 black

Thicknesses:

4 | 6 mm



81 black

▼ PROFILE: 48 BLOCK

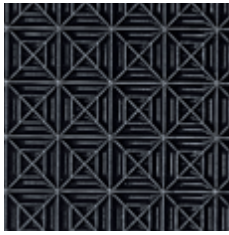
Colour:

81 black

Thickness:

6 mm

nora® Contol A



81 black

Hardness:
approx. 70 Shore A

Format:
approx. 1000x800 mm // 39.4"x31.5"

▼ **PROFILE: 42 CLIMBER SMALL**

Colour:	Thickness:
81 black	5 mm

nora® Contol A is an abrasion-resistant soling sheet made of oil- and petrol-resistant special rubber mixture with antistatic properties for the repair of working shoes with corresponding requirements.

nora® Contol FB



81 black

Hardness:
approx. 64 Shore A

Format:
approx. 800x500 mm // 31.5"x19.7"

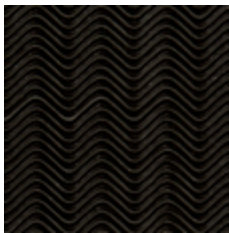
▼ **PROFILE: 48 BLOCK**

Colour:	Thicknesses:
81 black	5 6.5 mm

nora® Contol FB is an extremely slip-resistant special grade. This soling sheet is oil-, petrol-, and grease-resistant. The enormous slip-resistance is achieved by the open, bevelled profile with drainage to remove liquids.

nora® Contol FB is especially suited for working shoes in wet areas, i.e. for walking on tile floors in connection with liquids, in particular in grease-contaminated rooms such as e.g. kitchens or dairies.

nora® Constant



51 black brown

Hardness:
approx. 88 Shore A

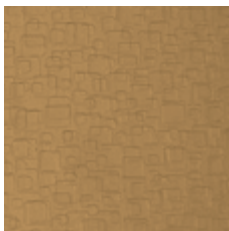
Format:
approx. 810x640 mm // 31.9"x25.2"

▼ **PROFILE: 82 FINE WAVE**

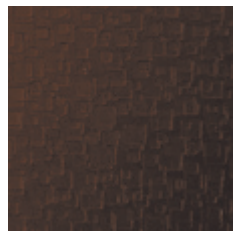
Colour:	Thicknesses:
51 black brown	2 3 mm

nora® Constant is a classic solid soling sheet with a timeless wave pattern and excellent bonding properties.

nora® Por



26 leather brown



48 antique

Hardness:
approx. 93 Shore A

Density:
approx. 1.00 g/cm³

Format:
approx. 1040x520 mm // 40.9"x20.4"

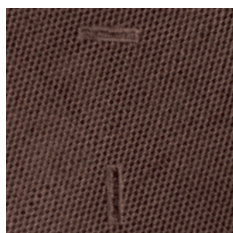
▼ **SURFACE: 67 STRADA**

Colours:	Thicknesses:
26 leather brown	2.7 3.5 4.3 mm
48 antique	

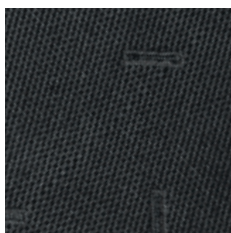
nora® Por is a semi-expanded soling sheet for special use as "artificial" bottom leather for ladies' and men's shoes. This soling sheet has a long life, good bonding properties, and offers weight benefits as compared to solid soling sheets.

Soling sheets

nora® Contilit



51 black brown



81 black



101 leather brown

Hardness:
approx. 87 Shore A

▼ PROFILE: 32 BRILLIANT

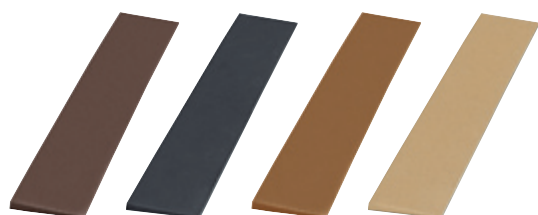
Format:
approx. 1000x800 mm // 39.4"x31.5"

Colours:	Thicknesses:
51 black brown	1.8 2.7 3.5 4.3 mm
81 black	1.8 2.7 3.5 mm
101 leather brown	

nora® Contilit is a fine-profiled soling sheet for stylish repairs and can be ideally combined with the heel piece or heel sheet nora® Elite.

Heeling strips

nora® Contilit K

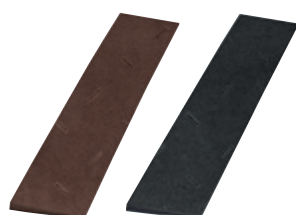


51
black-
brown

81
black

101
leather-
brown

110
beige



51
black-
brown

81
black

Hardness:
approx. 93 Shore A

▼ SURFACE: SMOOTH

Length:
approx. 1090 mm // 42.9"

Colours:	Dimensions:
51 black brown	3x35 mm
81 black	
51 black brown	4x40 mm
81 black	
101 leather brown	
110 beige	

▼ PROFILE: 32 BRILLIANT

Length:
approx. 1000 mm // 39.4"

Colours:	Dimension:
51 black brown	4x40 mm
81 black	

nora® Contilit K is the tried-and-tested heeling strip for the repair of smooth and slightly profiled shoe bottoms. Good bonding properties guarantee reliable heel repairs.

nora® Contilit



51 black brown



81 black



101 leather brown

Hardness:

approx. 87 Shore A

Thickness:

1.8 mm

Colours:

51 black brown
81 black
101 leather brown

Sizes:

D1 | D2 | H1 | H2 D = Ladies, H = Men

Profile:

32 brilliant

Packaging unit:

10 pairs in a foil

nora® Contilit is a lightweight and thin, fine-profiled die-cut half sole for stylish repairs, particularly suitable to improve the weathering resistance of leather bottoms and can be ideally combined with the heel piece or heel sheet nora® Elite.

nora® Pep



51 black brown

Hardness:

approx. 80 Shore A

Thickness:

2.5 mm

Colour:

51 black brown

Sizes:

D | H1 | H2 D = Ladies, H = Men

Packaging unit:

10 pairs in a foil

nora® Pep is a half sole with anti-slip rippled profile, particularly suitable for the repair of light footwear.

nora® bel-paso



51 black brown



81 black



101 leather brown



8006 blue

Hardness:

approx. 80 Shore A

Thickness:

3 mm

Colours:

51 black brown
81 black
101 leather brown
8006 blue

Sizes:

Ladies: 39/40, 41/42, 41/42S
Men: 40/41, 42/44, 45/47, 45/47S, 48/50
Ladies: 39/40, 41/42S
Men: 42/44, 45/47S, 48/50
Ladies: 39/40, 41/42S
Men: 42/44, 45/47S
Men: 42/44, 45/47S

Packaging unit:

10 pairs in a foil

nora® bel-paso is the high-quality classic among the half soles. The rippled profile guarantees effective slip protection, also for elegant shoes. The size 48/50 is suitable for oversize shoes.

Half soles

nora® Contact



51 black brown

Hardness:
approx. 75 Shore A

Thickness:
4 mm

Colour: 51 black brown **Sizes:** 1 | 2 | 3

Packaging unit:
10 pairs in a foil

nora® Contact with saw tooth profile is a half sole for safe grip and high slip-resistance. This half sole is the excellent solution above all in winter and for sturdy footwear and can be ideally combined with the heel nora® Contact.

nora® Robusta



51 black brown



81 black



208 caramel

Hardness:
approx. 75 Shore A

Thickness:
5 mm

Colours: 51 black brown **Sizes:** 38/40, 41/43, 44/46
81 black

208 caramel 41/43, 44/46

Packaging unit:
5 pairs in a foil

nora® Robusta is a robust half sole made of transparent rubber with raised profile for light hiking boots, for rounded off repairs and can be ideally combined with the heel nora® Robusta.

nora® Orix



51 black brown

Hardness:
approx. 80 Shore A

Colour: 51 black brown **Thickness:** 5.5 mm **Sizes:** 42/44, 45/47

Packaging unit:
5 pairs in a foil

nora® Orix is a sporty half sole with anti-slip two-stage profile for sturdy footwear and can be ideally combined with the heel nora® Sport-Club.

nora® Contrec



51 black brown



81 black

Hardness:
approx. 70 Shore A

Thickness:
7.5 mm

Colours: 51 black brown **Sizes:** 41/43, 44/46
81 black

Packaging unit:
5 pairs in a foil

nora® Contrec is a half sole made of transparent rubber with rough raised profile for sturdy hiking boots or working shoes and can be ideally combined with the black heel nora® Contrec.

nora® Sport-Contact



51 black brown

Hardness:
approx. 70 Shore A

Thickness:
7 mm

Colour: 51 black brown **Sizes:** 1 | 2

nora® Sport-Contact is a flat sole with prominent "tyre" profile. With a consistent thickness of 7 mm and a broad outline, this sole is excellently suited for the repair of hiking boots.

nora® Contano



51 black brown



81 black

Hardness:
approx. 70 Shore A

Thickness:
8 mm

Colours: 51 black brown **Sizes:** 37/40, 41/44, 45/48
81 black

nora® Contano is a resilient flat sole. With a consistent thickness of 8 mm and a large outline, this sole is excellently suited for the repair of hiking boots.

nora® Conmonta



51 black brown



81 black

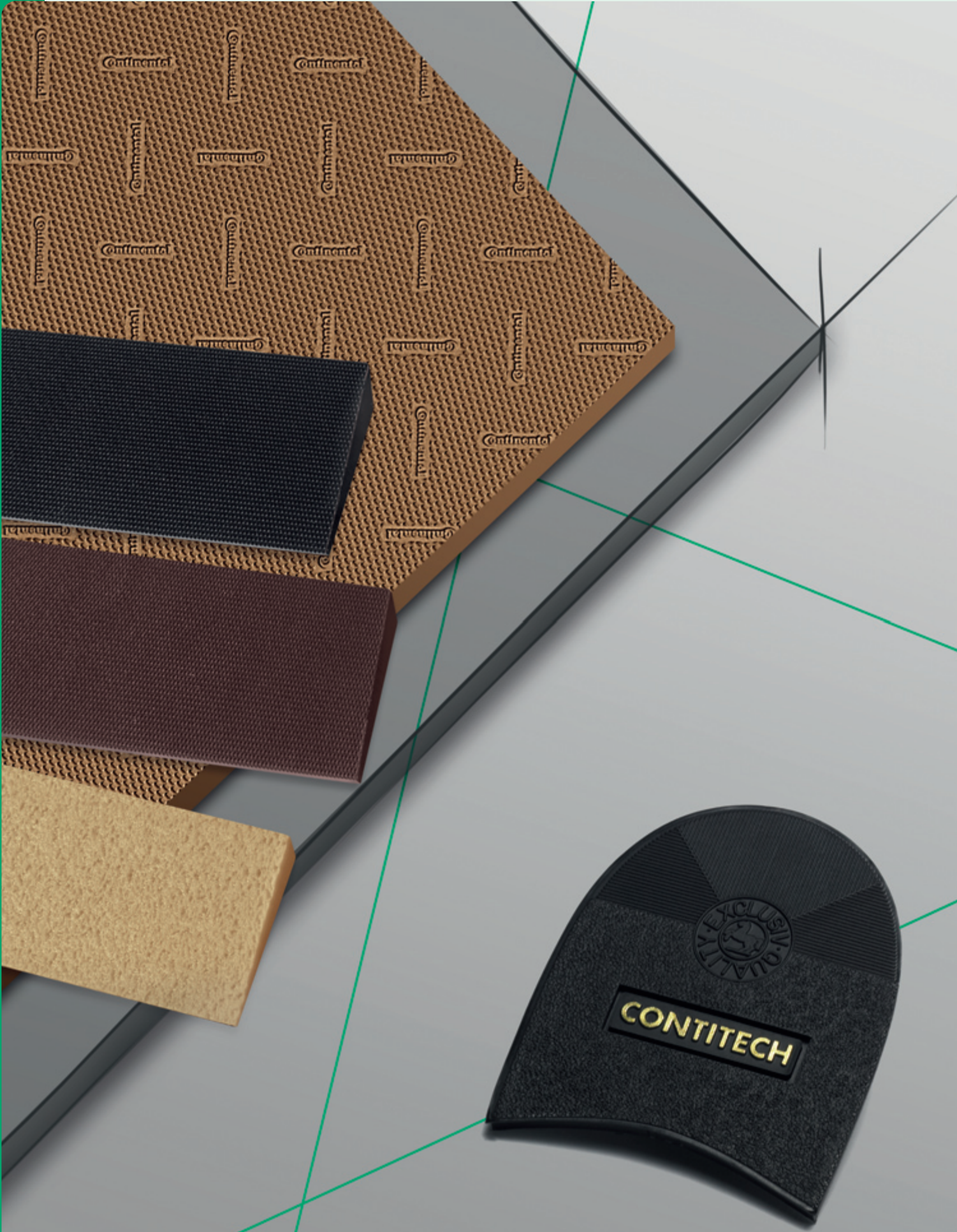
Hardness:
approx. 70 Shore A

Thickness:
Forefoot 7.5 mm
Heel 24.0 mm

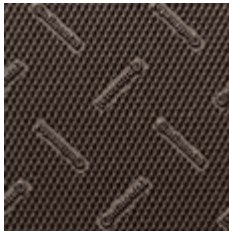
Colours: 51 black brown **Sizes:** 39/40, 41/42, 43/44, 45/46
81 black

nora® Conmonta is a resilient profiled sole. Large contours make this profiled sole a flexible, multipurpose sole.

Heeling material



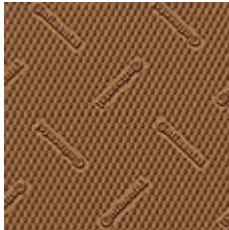
nora® Elite



51 black brown



81 black



101 leather brown



51 black brown

▼ PROFILE: 33 BRILLIANT

Hardness:
approx. 93 Shore A

Format:
approx. 800x500 mm // 31.5" x 19.7"

Colours: 51 black brown
81 black

Thicknesses:
5|6 mm

101 leather brown 5 mm

with stabilising pad:

Hardness:
approx. 90 Shore A (tread surface)

Format:
approx. 800x500 mm // 31.5" x 19.7"

Colours: 51 black brown
101 leather brown

Thickness:
6 mm

nora® Elite profile 33 is a fine-profiled heel sheet for stylish repairs. The non-directional profile makes this heel sheet a branded product with recognition factor.

Properties:
partially with stabilising pad, sanded back.

▼ PROFILE: 37 PRISM

Hardness:
approx. 90 Shore A (tread surface)

Format:
approx. 800x500 mm // 31.5" x 19.7"

Colour: 51 black brown

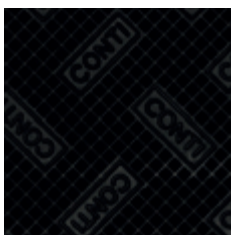
Thicknesses:
6|7.5 mm

nora® Elite profile 37 is a coarse-profiled heel sheet with winter profile for a safe foothold.

Properties:
6 mm version with stabilising pad, sanded back.

Heel sheets

nora® Conrex



81 black

▼ PROFILE: 47 GRIP CT

Hardness:

approx. 95 Shore A

Format:

approx. 500x330 mm // 19.7" x 13.0"

Colour:

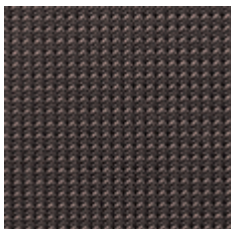
81 black

Thickness:

5.7 mm

nora® Conrex is a very hard and at the same time resilient small sheet made of compact rubber which combines the advantages of a very hard and extremely abrasion-resistant material and the excellent properties of resilient rubber mixtures. nora® Conrex is above all ideally suited for small heel tread surfaces of ladies' shoes.

nora® Glorit



51 black brown

▼ PROFILE: 39 FRESKO

Hardness:

approx. 93 Shore A

Format:

approx. 800x500 mm // 31.5" x 19.7"

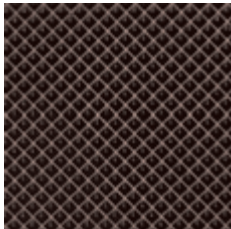
Colour:

51 black brown

Thickness:

5.5 mm

nora® Glorit profile 39 is an elegant heel sheet with a particularly fine profile.



51 black brown

▼ PROFILE: 05 PYRAMID MEDIUM

Hardness:

approx. 93 Shore A

Format:

approx. 770x535 mm // 30.3" x 21.1"

Colour:

51 black brown

Thickness:

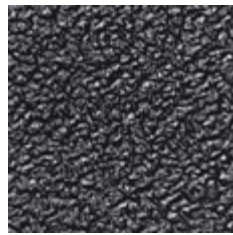
6 mm

nora® Glorit profile 05 is a classical heel sheet with a medium pyramid profile for a safe tread.

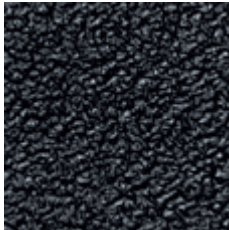
nora® Astral H



11 sand



54 smoke



81 black

▼ PROFILE: 62 MEDIUM CREPE

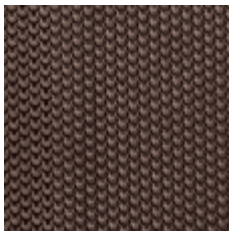
Hardness:
approx. 87 Shore A

Format:
approx. 1000x550 mm // 39.4"x21.7"

Colours:	Thickness:
11 sand	6 mm
54 smoke	
81 black	

nora® Astral H is a hard, resilient heel sheet made of transparent rubber with medium crepe profile. This grade is above all optimally suited for hollow heels.

nora® Cordial



51 black brown

▼ PROFILE: 44 CHAIN

Hardness:
approx. 87 Shore A

Format:
approx. 800x500 mm // 31.5"x19.7"

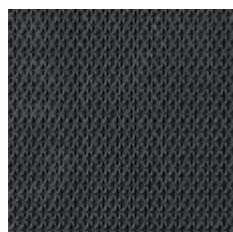
Colour:	Thickness:
51 black brown	7 mm

nora® Cordial is the classical "soft rubber" heel sheet for demanding heel repairs.

nora® Comfort



51 black brown



81 black

▼ PROFILE: 06 CRISTAL

Hardness:
approx. 67 Shore A

Format:
approx. 770x535 mm // 30.3"x21.1"

Colours:	Thickness:
51 black brown	7 mm
81 black	

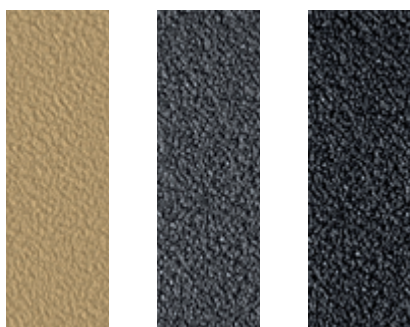
nora® Comfort is a highly resilient heel sheet, excellently suited for special sizes and special shapes.

Properties:

highly resilient, wear-resistant, non-slip and shock-absorbing, high walking comfort thanks to a soft compound harmonisation, stable bottom required, sanded back.

Heel piece strips

nora® Astral H



11 sand

54 smoke

81 black

▼ PROFILE: 62 MEDIUM CREPE

Hardness:

approx. 87 Shore A

Length:

approx. 1000 mm // 39.4"

Widths:

55|72|85 mm // 2.2"|2.8"|3.3"

Colours:

11 sand
54 smoke
81 black

Thickness:

6 mm

nora® Astral H heel piece strips made of hard, resilient transparent rubber with medium crepe profile are excellently suited for any economic heel repair. The heel piece strips are made of the heel sheet nora® Astral H.

Die-cut pieces

nora® Elite



51 black brown

81 black



101 leather brown

PROFILE: 33 BRILLIANT

Hardness:

approx. 90 Shore A (tread layer)

Thickness:

6 mm

Packaging unit:

10 pairs in a box

Colour:

51 black brown

Sizes:

130|132|134|136|138|140|142|144|146|148

Colour:

81 black

Sizes:

130|132|134|136|138|140|142|144|146|148

Colour:

101 leather brown

Sizes:

138|140|142|144|146|148

nora® Elite is a stylish die-cut piece with stabilising pad for economic and durable repairs. This die-cut piece is the ideal complement of the nora® Contilit soling sheets or half soles.

Properties: with stabilising pad, sanded back.

nora® Kompakt K



02 cream white 51 black brown 81 black

▼ PROFILE: 13 RIPPLED

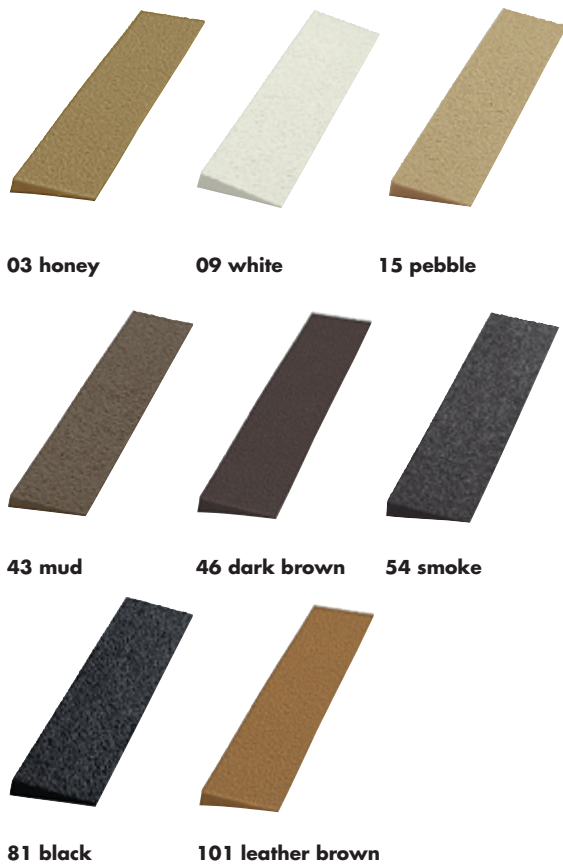
Hardness: approx. 87 Shore A	Length: approx. 1070 mm // 42.1"
Colours: 51 black brown 81 black	Dimensions: 8x40 mm // 0.3" x 1.6"
02 cream white 51 black brown 81 black	10x50 mm // 0.4" x 2.0"

nora® Kompakt K are universally usable wedge strips.

Properties:

wear-resistant, shock-resistant, excellent bonding properties.

nora® Astral K



03 honey 09 white 15 pebble

43 mud 46 dark brown 54 smoke

81 black 101 leather brown

▼ PROFILE: 62 MEDIUM CREPE

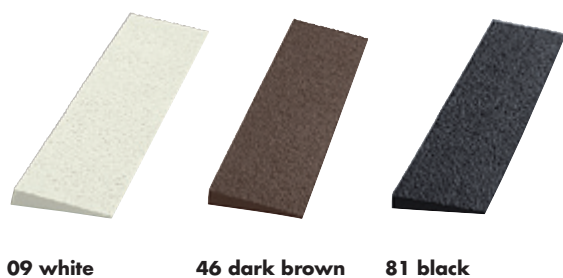
Hardness: approx. 69 Shore A	Length: approx. 930 mm // 36.6"
Colours: 03 honey 54 smoke 81 black	Dimensions: 8x40 mm // 0.3" x 1.6"
03 honey 15 pebble 43 mud 46 dark brown 54 smoke 81 black 101 leather brown	10x50 mm // 0.4" x 2.0"
03 honey 09 white 43 mud 46 dark brown 54 smoke 81 black 101 leather brown	10x60 mm // 0.4" x 2.4"
54 smoke 81 black	10x80 mm // 0.4" x 3.1"
81 black	14x65 mm // 0.5" x 2.6"

nora® Astral K are multi-purpose wedge strips with crepe profile, made of transparent rubber. nora® Astral K develops excellent stretch properties when bonded to soft bottoms (PU, EVA, and TR).

Properties:

wear-resistant, shock-resistant, excellent bonding properties, high stretch properties.

nora® Astro K



09 white 46 dark brown 81 black

▼ PROFILE: 62 MEDIUM CREPE

Hardness: approx. 50 Shore A	Length: approx. 1020 mm // 40.2"
Density: approx. 0.65 g/cm ³	Dimensions: 10x60 mm // 0.4" x 2.4"
Colours: 09 white 46 dark brown 81 black	10x80 mm // 0.4" x 3.1"
81 black	10x80 mm // 0.4" x 3.1"

nora® Astro K are specifically lightweight wedge strips made of expanded rubber with crepe profile, in matching colours to nora® Astro soling sheets.

Properties:

wear-resistant, shock-resistant, excellent bonding properties.

Heels

nora® Primus



51 black brown



81 black



101 leather brown



8006 blue

Hardness:
approx. 80 Shore A

Thickness:
6.5 mm

Colours:	Sizes:
51 black brown	160 162 166 168 170 172 176
81 black	166 168 170 172 176
101 leather brown	
8006 blue	

Packaging unit:
10 pairs in a foil

nora® Primus is an elegant heel for first-class men's shoes. The high-quality properties are highlighted by the characteristic gold stamp.

Properties:
highly resilient, wear-resistant, broad outline, sanded back.

nora® Interstyle



51 black brown

Hardness:
approx. 80 Shore A

Thickness:
7 mm

Colour:	Sizes:
51 black brown	166 168 170 172 174 176

Packaging unit:
10 pairs in a foil

nora® Interstyle is a high-quality heel for elegant men's shoes.

Properties:
highly resilient, wear-resistant, sanded back, with red, round inlay.

nora® Supra-Plus



51 black brown

Hardness:
approx. 80 Shore A

Thickness:
6 mm

Colour:	Sizes:
51 black brown	166 168 170 172 174

Packaging unit:
10 pairs in a foil

nora® Supra-Plus is a modern heel for elegant men's shoes.

Properties:
highly resilient, wear-resistant, sanded back.

nora® Gloria



51 black brown

Hardness:
approx. 80 Shore A

Thickness:
7 mm

Colour: 51 black brown **Sizes:** 166|168|170|172|174|176

Packaging unit:
10 pairs in a foil

nora® Gloria is a classical heel for shoe repairs.

Properties:
highly resilient, wear-resistant, sanded back, classic single-coloured.

nora® Classic



51 black brown

Hardness:
approx. 80 Shore A (rubber corner)

Thickness:
8 mm (4 mm leather)

Colour: 51 black brown **Sizes:** 168|170|172|176

Packaging unit:
5 pairs

nora® Classic is the classical heel for exclusive, premium shoes. The combination of highly resilient nora® rubber material, deep tanned sole leather and branded adhesive from Renia make this heel an exclusive branded product. This heel is particularly suited for welted shoes.

Properties:
symmetric design, sanded back.

nora® Classic SL



51 black brown

Hardness:
approx. 80 Shore A (rubber corner)

Thickness:
6 mm (3 mm leather)

Colour: 51 black brown **Sizes:** 166|170|176

Packaging unit:
5 pairs

The combination of highly resilient nora® rubber material, deep tanned sole leather and branded adhesive from Renia make this heel an exclusive branded product.

Properties:
light-weight, symmetric design, sanded back.

nora® Sport-Club



51 black brown

Hardness:

approx. 80 Shore A

Thickness:

7.5 mm

Colour:

51 black brown

Sizes:

164 | 166 | 168 | 170 | 172 | 174

Packaging unit:

10 pairs in a foil

nora® Sport-Club is a sporty heel with anti-slip two-stage profile for sturdy footwear. This heel is the ideal complement of the **nora® Orix** half soles.

Properties:

highly resilient, wear-resistant, sanded back, with gold stamp.

nora® Contact



51 black brown

Hardness:

approx. 75 Shore A

Thickness:

7.5 mm

Colour:

51 black brown

Sizes:

162 | 166 | 170 | 174

Packaging unit:

10 pairs in a foil

nora® Contact is an anti-slip heel with winter profile for sturdy footwear. This heel is the ideal complement of the **nora® Contact** half soles.

Properties:

especially resilient and abrasion-resistant, (transparent rubber), sanded back.

nora® Robusta



51 black brown



81 black



208 caramel

Hardness:

approx. 75 Shore A

Colours:

51 black brown
81 black

Sizes:

140 | 144 | 148

Thickness:

Ladies' version: 6 mm

Colours:

51 black brown
81 black
208 caramel

Sizes:

170 | 174

Thickness:

Men's version: 8 mm

Packaging unit:

10 pairs in a foil

nora® Robusta is a robust heel with raised profile for light hiking boots. This heel is the ideal complement of the **nora® Robusta** half soles.

Properties:

especially resilient and abrasion-resistant, (transparent rubber), sanded back.

nora® Contrec



51 black brown



81 black

Hardness:

approx. 70 Shore A

Thickness:

12 mm

Colours:

51 black brown
81 black

Sizes:

168 | 172 | 176

Packaging unit:

5 pairs in a foil

nora® Contrec is a block heel with rough raised profile for sturdy hiking boots or working shoes. This heel is the ideal complement of the **nora® Contrec** half soles.

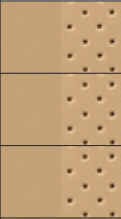

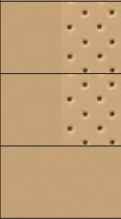
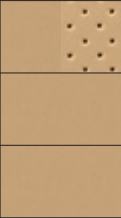
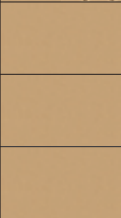

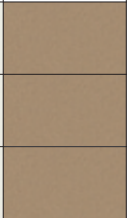













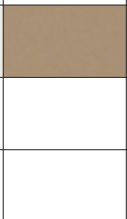




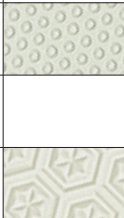



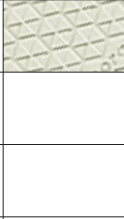
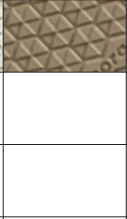

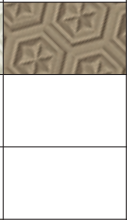

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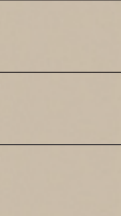



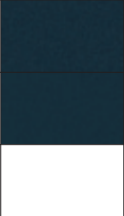

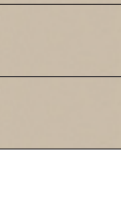

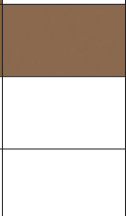
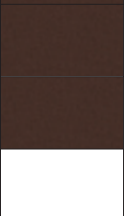


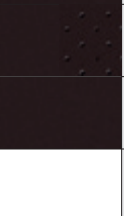
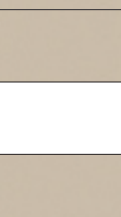


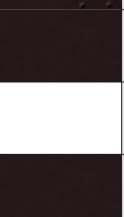
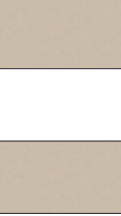


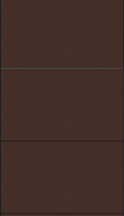

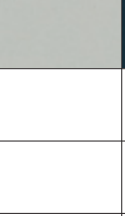


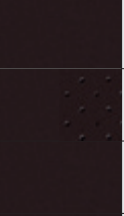

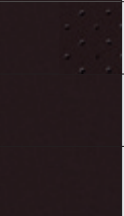
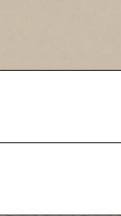
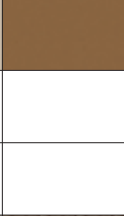

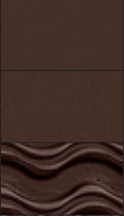
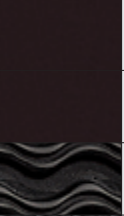




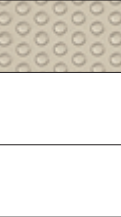




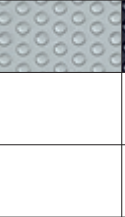











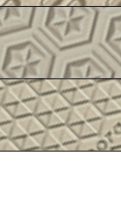
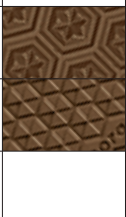


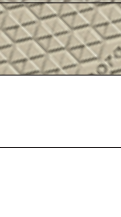






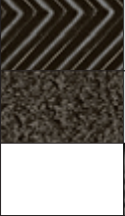



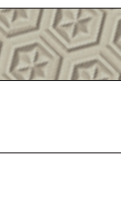





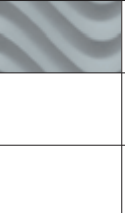





especially resilient and abrasion-resistant (transparent rubber), sanded back.

Expanded sheet product range

► This overview lists the standard colours which can be ideally combined.

For further coloured and patterned versions, e.g. of **nora® Lunasoft SL color**, please see the corresponding product pages.

Material	Version/profile	Colour	05	07	09	17
Lunairmed						
Lunairflex						
Lunalastik						
Lunasoft SLW						
Lunasoft SL						
Lunasoft AL						
Lunatec SE						
Lunalight A						
Lunacell						
Lunalight K	wedge strips					
Lunasoft SLW	wedge strips					
Lunasoft	78 Coarse wave					
Lunasoft	97 Pastille					
Astro Soft	09 Coarse cross pattern					
Astro Soft	87 Mini Non-Slip					
Astro Soft	96 Block fine					
Astrolight	64 Star					
Astrolight	95 Delta					
Astro	43 Record					
Astro	58 Coarse wave					
Astro	62 Medium crepe					
Astro	64 Star					
Astro	458 Sinus					
Astro	65 Suction cup					
Astro K	62 Medium crepe wedge strips					

19	35	41	46	54/57	56	60	78	80	81	Details/Page
										11
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										53

Transparent sheet product range

	Colour	01	03	09/ 02	11	15	41	43	46	51	54	81	101	Details/ Page
Material	Version/profile													
Astral soft	59 Coarse crepe													39
Astral	03 Cross pattern													41
Astral	26 Fine crepe													40
Astral	58 Coarse wave													41
Astral	62 Medium crepe													40
Astral	74 Double saw tooth													41
Astral	87 Mini Non-Slip													41
Astral	95 Delta													41
Durotrans	34 Grid													42
Durotrans	36 Square													42
Durotrans	37 Prism													42
Durotrans	48 Block													42
Astral H	62 Medium crepe													51
Astral H	62 Medium crepe wedge strips													52
Astral K	62 Medium crepe wedge strips													53



Freudenberg Industrial Park

About **nora systems GmbH**

nora systems GmbH develops, produces and markets high-quality, resilient floor coverings made of rubber as well as shoe components under the brand name **nora®**. The company has about 1,000 employees worldwide and achieved a turnover of € 221.1 million in 2016. Almost everybody has at least once stood on **nora®** products, be it in their own shoes or on the floor coverings.



Note:

The data contained in this brochure serves as information on the presented products.

The statements given represent descriptions or identifications, however, no guaranteed properties. We reserve the right to modify technical values within the scope of product improvements.

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Printed on 100 % chlorine-free bleached paper.

nora systems GmbH

shoe components

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