

noma[®]floor
THE PERFORMANCE UNDERLAY

A BRAND OF

nmc

HIGH-PERFORMANCE UNDERLAYS

COMFORT AND PROTECTION FOR
YOUR FLOORS FROM PROFESSIONALS
FOR PROFESSIONALS!





COMFORT AND PROTECTION FOR A BETTER LIFE

NMC IS AN INTERNATIONAL COMPANY WITH
ITS MAJOR PRODUCTION SITE IN BELGIUM.

Our core expertise lies in the development, production and sale of synthetic foams. The product know-how that we have built up over many years gives us a platform for the design of imaginative problem-solving ideas.

Thanks to the expertise and advanced knowledge of our collaborators in our factory based in Germany, we design and manufacture the noma®floor range of underlays.



www.nmc.eu

HIGH - PERFORMANCE UNDERLAYS

FOR FLOORS TO BE LAID AS A
FLOATING INSTALLATION

noma®floor underlays offer you high-performance, innovative, smart solutions which provide long-lasting protection for parquet, laminate, vinyl and designer floorings.

Professional yet easy to understand. A brilliantly designed, balanced product portfolio.

Comfort and protection for your floors, from professionals for professionals!

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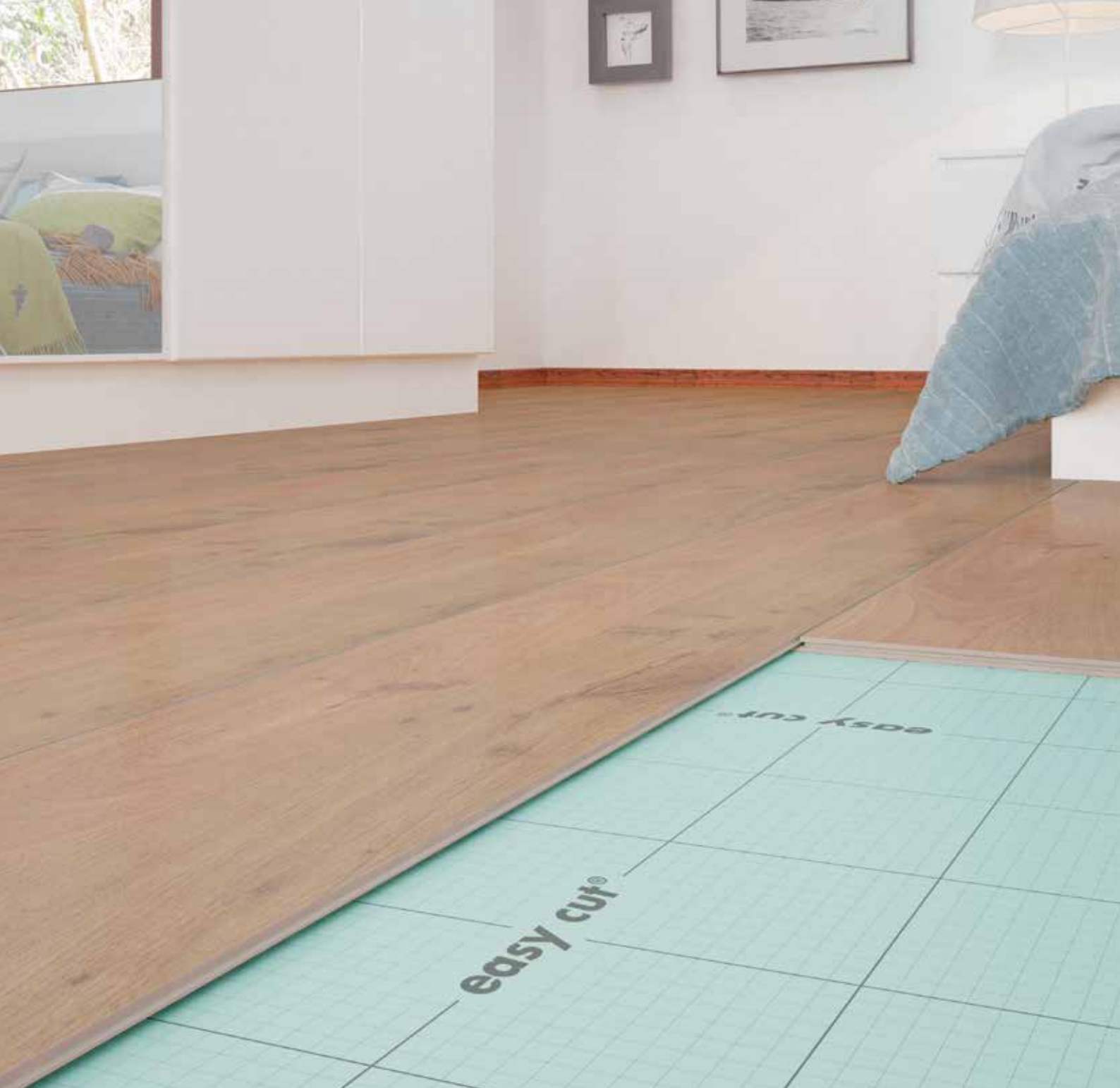
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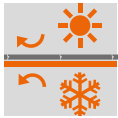
UNDERLAYS – OUT OF SIGHT, BUT INDISPENSABLE

A parquet or laminate floor or a designer/vinyl floor plus the right underlay and the corresponding substrate combine to make a flooring system. To guarantee the most effective flooring system, the choice of the right underlay is a very important factor. This involves the individual properties of the substrate: is it mineral or made from wood? Is there underfloor heating? Is the substrate uneven or smooth? Do you need a thermal separation?

Underlays have multifunctional properties. As well as making life more comfortable, for instance by delivering better heat insulation, they can also improve the acoustics in the room itself and in adjoining rooms. A further important factor is that they protect the floor.

WHAT DOES AN UNDERLAY DO?

IT IMPROVES THE THERMAL PROPERTIES OF THE FLOOR



THERMAL INSULATION (R_{λ})

The right underlay can deliver major improvements to heat insulation where the substrate is cold. It acts as insulation between the top layer and the substrate.



UNDERFLOOR HEATING ($R_{\lambda,B}$)

In general, laminate, parquet and vinyl floors are suitable for hot-water underfloor heating systems. The underlay needs to offer the lowest possible thermal insulation so that the underfloor heating can work efficiently.

IT IMPROVES THE ACOUSTIC PROPERTIES OF THE FLOOR



IMPACT SOUND REDUCTION (IS)

When the sound of footsteps are transmitted into the rooms underneath or adjoining, the result is generally known as impact sound. Laminate underlays in combination with the flooring used can significantly reduce this impact sound.



REFLECTED WALKING SOUND INSULATION (RWS)

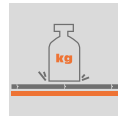
The walking noise that you hear in the same room is known as walking sound. The fact that such noises are relatively loud on hard surfaces is due to the floor itself. But underlay has a noticeable effect in reducing walking sound.



IT INCREASES WALKING COMFORT

An underlay here increases walking comfort by absorbing impacts. This not only increases the level of comfort, but also reduces the strain on feet and joints.

IT OFFERS LONG-LASTING PROTECTION FOR THE FLOOR



LOAD PROTECTION (DL, CC, CS)

Daily use exposes floors – and thus also underlays – to heavy wear. This is why laminate underlays must be able to stand up to permanent loads (CC/furniture), dynamic loads (DL/walking) and temporary loads (CS), over their entire useful life. This is the only way to protect a floor – and particularly its connection system – over the long term.



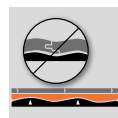
PROTECTION AGAINST FALLING OBJECTS (RLB)

Falling objects can irreparably damage the surface of parquet or laminate. That is why the insulating underlay used plays a particularly important role, along with the quality of the flooring itself. These factors both have a significant influence on the height of the fall that can be absorbed without damage.



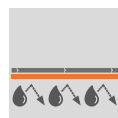
PROTECTION AGAINST UNEVENNESS (PC)

To protect the floor mechanically and prevent local separations, it must be possible to even out small, isolated bumps. Otherwise, the floor may be damaged, particularly in transition areas.



PREVENTING THE SUBSTRATE FROM SHOWING THROUGH

When modern designer floor coverings (which are usually thinner than parquet and laminate) are fitted, the right underlay will stop the substrate from showing through. This is known as the 'telegraphing effect'.



PROTECTION AGAINST RESIDUAL HUMIDITY IN THE SUBSTRATE

In new builds in particular, there will often be residual humidity in the mineral substrate. A suitable underlay with an integrated vapour barrier is advisable to prevent damage to the floor.

THE CONCEPT

noma®floor- THE PERFORMANCE UNDERLAY

noma®floor offers high-performance underlay products for laminate, parquet, designer and vinyl floor coverings. Our product portfolio covers the demands of any substrate. These products deliver long-lasting, complete functionality for the entire flooring system, and make life so much more comfortable.

★★★
PREMIUM

FOR THE MOST HIGH-PERFORMANCE PRODUCTS

★★
COMFORT

FOR A GOOD PRICE-PERFORMANCE RATIO

★
CLASSIC

FOR ENTRY INTO THE WORLD OF noma®floor

SPECIAL

FOR PRODUCTS WITH SPECIAL ADDITIONAL FEATURES

OUR EXPERTISE

THE QUALITY WHICH MAKES OUR PRODUCTS STAND OUT



Many noma®floor products have been tested and successfully certified by the TÜV Rheinland in terms of their functionality, quality, fitness for purpose and production supervision.



noma®floor underlays have already been awarded the world's most successful environmental test mark, the 'Blue Angel'.



The majority of noma®floor products have secured building control certification and carry the Ü symbol in Germany.



noma®floor products are 'Made in Germany'. They are produced in the NMC competence centre for underlay in Erbes-Büdesheim in Rhineland-Palatinate.

UNIQUE BENEFITS IN USE

TOP QUALITY STANDARD, EASY TO FIT

Innovative technologies make it much easier for you to lay your noma®floor.



EASY CUT

The ,easy cut® printed grid feature enables you to trim the underlay easily and accurately to size.



AQUA STOP

The integrated ,AquaStop™ film offers reliable protection for the flooring against residual humidity.



DRY TEC

For a permeable floor structure, ,DryTec™ technology offers you reliable protection for wooden substrates against mould.



ANTI-SLIP

The Anti-Slip surface stops individual boards from sliding, and prevents the click profiles from opening up and forming cracks.



EASY LAY

The ,easy lay® fanfold panel system enables you to fit the underlay easily, quickly and absolutely level.



XPO

The advantage of XPO foams lies in the high compressive strength in combination with the excellent impact sound insulation as well as the very good levelling capacity of unevenness in the subfloor.



SELF-ADHESIVE

Thanks to the self-adhesive side, the mat is glued directly to the substrate after removing a protective film.

REGULATORY INSTRUMENTS APPLICABLE TO UNDERLAYS

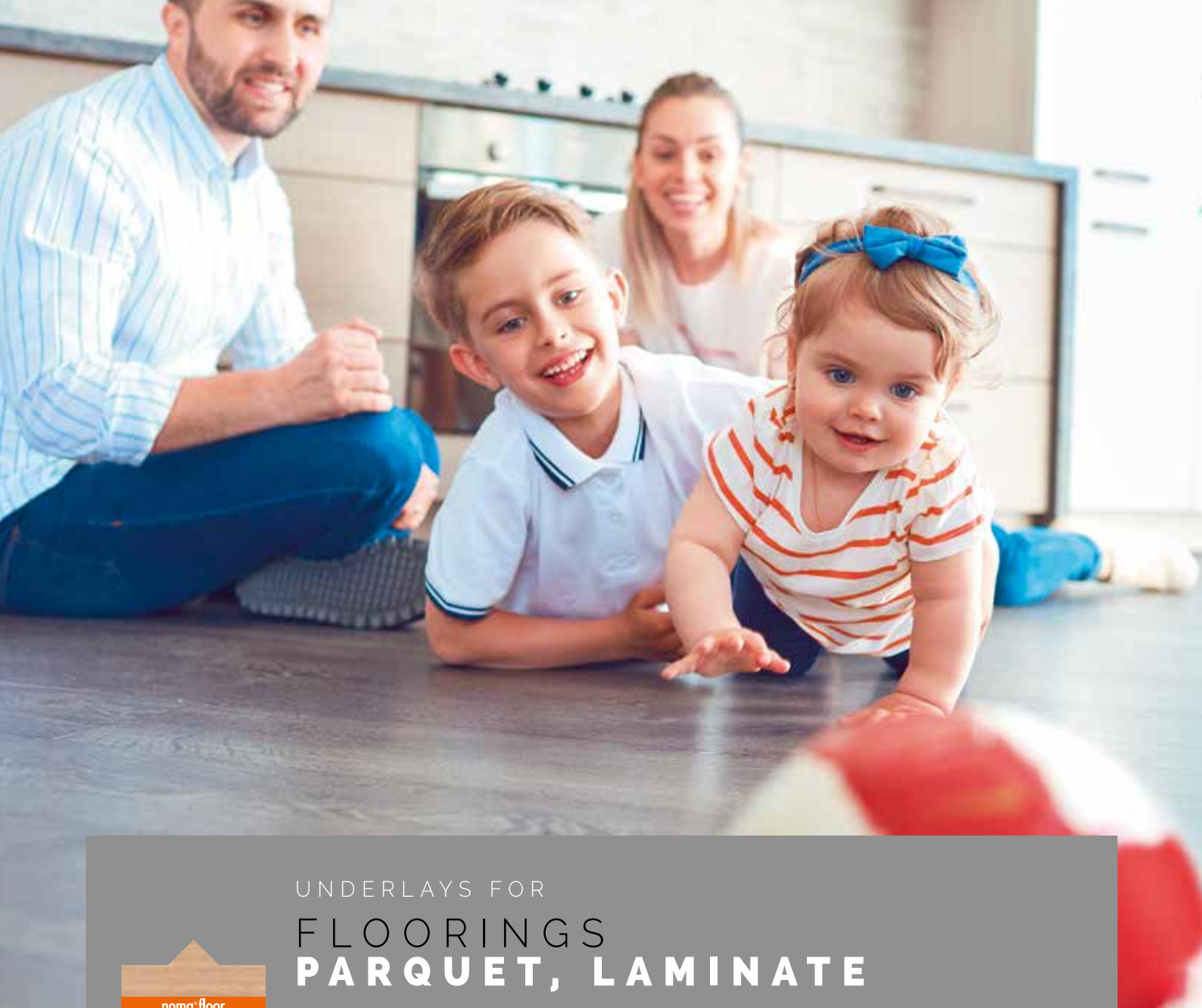
EN 16354

This official European Commission document addresses all the relevant criteria for underlays, defines appropriate testing methods and sets out minimum requirements to be met. This ensures that the product properties indicated are comparable and that the underlays comply with the minimum requirements set by the CEN.

EPLF/MMFA technical data sheet

The EPLF technical data sheet is based on EN 16354 and thus supplements the European document. By reference to all substantive requirements to be satisfied by an underlay, the technical data sheet contains explanations and gives concrete recommendations on technical data. For example, it defines minimum requirements which an underlay must comply with depending on the type of floor. But there are also recommendations for stricter requirements.





UNDERLAYS FOR FLOORINGS **PARQUET, LAMINATE**

SUBSTRATE **MINERAL**

Mineral floors in particular often contain residual humidity, which can have adverse effects especially on parquet and laminate. Penetration of humidity can cause lasting damage to your wooden floors. Distortion and curvature are potential consequences which need to be avoided.

noma®floor underlays for mineral substrates and for parquet or laminate flooring boast AquaStop™ technology to prevent such problems from ever occurring.

2 mm AquaStop



- ✓ Premium product for parquet/laminate floors
- ✓ Effective protection against residual humidity
- ✓ Best underlay for acoustic and load purposes
- ✓ Outstanding walking/impact sound reduction
- ✓ Outstanding compressive strength, offering lasting protection in areas of heavy load and traffic
- ✓ Offers floors reliable protection against falling objects
- ✓ Very good levelling of subfloor irregularities thanks to XPO technology

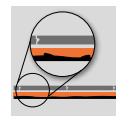
PROTECTS THE FLOORING



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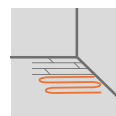
INCREASES LIVING COMFORT



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★★★★★



**ACCESSORIES
REQUIRED**
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PERFORMANCE (acc. EN 16354)

Punctual conformability (PC)	≥ 1 mm
Compressive strength (CS)	≥ 120 kPa
Compressive creep (CC)	≥ 25 kPa
Dynamic load (DL ₂₅)	≥ 1,000,000 Cycles
Resistance to large ball (RLB)	≥ 1,200 mm
Water vapour permeability (SD)	≥ 100 m
Thermal resistance (R)	~ 0.04 m²K/W
Impact sound reduction (IS)	≤ 20 dB
Fire protection classification (RTF)	E _{fl}

PRODUCT DATA

Item number	3045764
Thickness	2 mm
Dimensions	1 m x 10 m
Quantity per unit	10 m²
Quantity per pallet	24 pieces = 240 m²
Material	XPO + vapour control layer

Meets maximum EPLF and MMFA requirements (Group 1)
Suitable for underfloor heating: Yes, if floor R ≤ 0,11 m²K/W

2.2 mm AquaStop



- ✓ Effective protection against residual humidity
- ✓ Outstanding walking/impact sound reduction
- ✓ Very good compressive strength, offering lasting protection in areas of heavy load and traffic
- ✓ Offers laminate floors reliable protection against falling objects

PROTECTS THE FLOORING



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★★★★★



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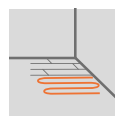
INCREASES LIVING COMFORT



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ACCESSORIES REQUIRED

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PERFORMANCE (acc. EN 16354)

Punctual conformability (PC)	≥ 1 mm
Compressive strength (CS)	≥ 90 kPa
Compressive creep (CC)	≥ 25 kPa
Dynamic load (DL ₂₅)	≥ 250,000 Cycles
Resistance to large ball (RLB)	≥ 1,200 mm
Water vapour permeability (SD)	≥ 100 m
Thermal resistance (R)	~ 0.07 m²K/W
Impact sound reduction (IS)	≤ 20 dB
Fire protection classification (RTF)	E _{fl}

PRODUCT DATA

Item number	3034900
Thickness	2.2 mm
Dimensions	1.2 m x 12.5 m
Quantity per unit	15 m²
Quantity per pallet	27 pieces = 405 m²
Material	HFPS + vapour control layer

Meets maximum EPLF and MMFA requirements (Group 1)
Suitable for underfloor heating: Yes, if floor R ≤ 0.08 m²K/W

1.6 mm AquaStop



- ✓ Effective protection against residual humidity
- ✓ Good walking/impact sound reduction
- ✓ At 1.6 mm low installation height
- ✓ Adequate protection for floors in domestic use with loads and traffic
- ✓ Sections are connected easily by overlapping on one side and adhesive strips on the other

PROTECTS THE FLOORING



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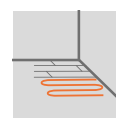
INCREASES LIVING COMFORT



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ACCESSORIES REQUIRED

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PERFORMANCE (acc. EN 16354)

Punctual conformability (PC)	≥ 1 mm
Compressive strength (CS)	≥ 60 kPa
Compressive creep (CC)	≥ 5 kPa
Dynamic load (DL ₂₅)	≥ 100,000 Cycles
Resistance to large ball (RLB)	≥ 900 mm
Water vapour permeability (SD)	≥ 100 m
Thermal resistance (R)	~ 0.06 m²K/W
Impact sound reduction (IS)	≤ 20 dB
Fire protection classification (RTF)	E _{fl}

PRODUCT DATA

Item number	3034903
Thickness	1.6 mm
Dimensions	1 m x 25 m
Quantity per unit	25 m²
Quantity per pallet	32 pieces = 800 m²
Material	EPS + vapour control layer

Meets minimum EPLF and MMFA requirements (Group 1)
Suitable for underfloor heating: Yes, if floor R ≤ 0.09 m²K/W

SILENT 1.5 mm AquaStop



- ✓ 1.5 mm strong, pressure-resistant PUM heavy foam (mineral filler + polyurethane binder)
- ✓ Vapour barrier
- ✓ Excellent walking sound insulation value +22 db
- ✓ Provides effective protection against residual humidity
- ✓ Reliable protection under heavy use and load
- ✓ Also suitable for vinyl flooring

PROTECTS THE FLOORING



★★★★★



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**ACCESSORIES
RECOMMENDED**

SEE PAGE 33



PERFORMANCE

Punctual conformability (PC)	≥ 0.65 mm
Compressive strength (CS)	≥ 280 kPa
Compressive creep (CC)	≥ 82 kPa
Dynamic load (DL ₇₅)	≥ 2,500,000 Cycles
Resistance to large ball (RLB)	≥ 650 mm
Water vapour permeability (SD)	≥ 75 m
Thermal resistance (R)	~ 0.01 m²K/W
Impact sound reduction (IS)	≤ 16 dB
Fire protection classification (RTF)	Bfl-s1

PRODUCT DATA

Item number	3034902
Thickness	1.5 mm
Dimensions	1 m x 10 m
Quantity per unit	10 m²
Quantity per pallet	40 pieces = 400 m²
Material	PU + Alu

Meets maximum MMFA requirements (Group 1 & 2)
Suitable for underfloor heating: Yes, if floor R ≤ 0.14 m²K/W

HEATFLOW 1 mm AquaStop



- ✓ Ideal for use with underfloor heating
- ✓ Effective protection against residual humidity
- ✓ Outstanding walking noise insulation value
- ✓ High compressive strength, excellent impact sound insulation and very good levelling of sub-floor irregularities thanks to XPO technology
- ✓ Also suitable for vinyl flooring

PROTECTS THE FLOORING



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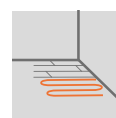
INCREASES LIVING COMFORT



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★★★★★



**ACCESSORIES
REQUIRED**
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PERFORMANCE (acc. EN 16354)

Punctual conformability (PC)	≥ 0.5 mm
Compressive strength (CS)	≥ 500 kPa
Compressive creep (CC)	≥ 25 kPa
Dynamic load (DL ₂₅)	≥ 250,000 Cycles
Resistance to large ball (RLB)	≥ 500 mm
Water vapour permeability (SD)	-
Thermal resistance (R)	~ 0.02 m²K/W
Impact sound reduction (IS)	≤ 19 dB
Fire protection classification (RTF)	E _{fl}

PRODUCT DATA

Item number	3045797
Thickness	1 mm
Dimensions	1 m x 15 m
Quantity per unit	15 m²
Quantity per pallet	36 pieces = 540 m²
Material	XPO + vapour control layer

Meets minimum EPLF and MMFA requirements (Group 1)
Suitable for underfloor heating: Yes, if floor R ≤ 0.13 m²K/W

THERMO 5 mm AquaStop



- ✓ Very good thermal insulation – ideal on floors which feel cold to the feet
- ✓ Outstanding walking/impact sound reduction
- ✓ Smooths out isolated bumps up to 4 mm (PC value)
- ✓ Very good compressive strength, offering lasting protection in areas of load and traffic
- ✓ Offers laminate floors reliable protection against falling objects



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★★★★★



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INCREASES LIVING COMFORT



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★★★★★



**ACCESSORIES
REQUIRED**
SEE PAGE 33



Functionality
Quality
Usability
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ID 0000054116



PERFORMANCE (acc. EN 16354)

Punctual conformability (PC)	≥ 4 mm
Compressive strength (CS)	≥ 90 kPa
Compressive creep (CC)	≥ 25 kPa
Dynamic load (DL ₂₅)	≥ 250,000 Cycles
Resistance to large ball (RLB)	≥ 1,400 mm
Water vapour permeability (SD)	≥ 100 m
Thermal resistance (R)	~ 0.15 m²K/W
Impact sound reduction (IS)	≤ 22 dB
Fire protection classification (RTF)	E _{fl}

PRODUCT DATA

Item number	3034907
Thickness	5 mm
Dimensions	0.8 m x 6.25 m
Quantity per unit	5 m²
Quantity per pallet	60 pieces = 300 m²
Material	HFPS + vapour control layer

Meets maximum EPLF and MMFA requirements (Group 1)
Suitable for underfloor heating: No

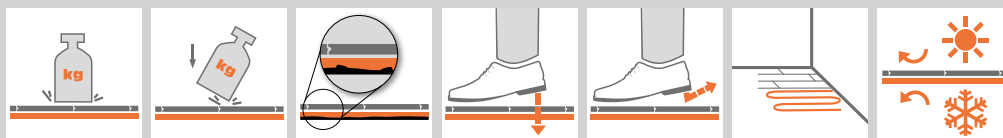


PRODUCT OVERVIEW

FLOORING **PARQUET, LAMINATE**
SUBSTRATE **MINERAL**

PROTECTS THE FLOORING

INCREASES LIVING COMFORT



★★★ PREMIUM 2mm AquaStop	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	-
★★ COMFORT 2.2mm AquaStop	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	-
★ CLASSIC 1.6mm AquaStop	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	-
SPECIAL SILENT 1.5mm AquaStop	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	-
SPECIAL HEATFLOW 1 mm AquaStop	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	-
SPECIAL THERMO 5 mm AquaStop	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	-	★★★★★



Protection against loading and usage



Protection against falling objects



Protection against unevenness



Noise reduction in surrounding areas



Noise reduction in room of use



Compatibility with underfloor heating



Thermal insulation





UNDERLAYS FOR
FLOORINGS
PARQUET, LAMINATE

SUBSTRATE
WOOD

Unlike with mineral substrates, the top priority with wooden substrates is a permeable underlay, in order to prevent mould from forming in the substrate.

Given that wooden floors in particular transmit noise very easily, noma®floor underlays help to deliver significant improvements to acoustic comfort.

2 mm



- ✓ Premium product for parquet/laminate floors
- ✓ Best underlay for acoustic and load purposes
- ✓ Outstanding walking/impact sound reduction values
- ✓ Very high compressive strength, offering lasting protection in areas of heavy load and traffic
- ✓ Offers floors reliable protection against falling objects
- ✓ Excellent walking sound reduction
- ✓ Easy to cut

PROTECTS THE FLOORING



★★★★★



★★★★★



★★★★★

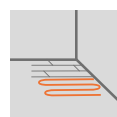
INCREASES LIVING COMFORT



★★★★★



★★★★★



★★★★★



PERFORMANCE (acc. EN 16354)

Punctual conformability (PC)	≥ 1 mm
Compressive strength (CS)	≥ 120 kPa
Compressive creep (CC)	≥ 25 kPa
Dynamic load (DL ₂₅)	≥ 1,000,000 Cycles
Resistance to large ball (RLB)	≥ 1,200 mm
Water vapour permeability (SD)	-
Thermal resistance (R)	~ 0.04 m²K/W
Impact sound reduction (IS)	≤ 20 dB
Fire protection classification (RTF)	E _{fl}

PRODUCT DATA

Item number	3045153
Thickness	2 mm
Dimensions	1 m x 10 m
Quantity per unit	10 m²
Quantity per pallet	24 piece = 240 m²
Material	XPO

Meets maximum EPLF and MMFA requirements (Group 1)
Suitable for underfloor heating: Yes, if floor R ≤ 0.11 m²K/W

2.2 mm

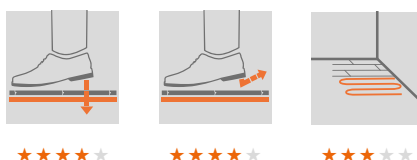


- ✓ Outstanding walking/impact sound reduction
- ✓ Very good compressive strength, offering lasting protection in areas of load and traffic
- ✓ Offers laminate floors reliable protection against falling objects

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INCREASES LIVING COMFORT



PERFORMANCE (acc. EN 16354)

Punctual conformability (PC)	≥ 1.5 mm
Compressive strength (CS)	≥ 90 kPa
Compressive creep (CC)	≥ 25 kPa
Dynamic load (DL ₂₅)	≥ 250,000 Cycles
Resistance to large ball (RLB)	≥ 1,200 mm
Water vapour permeability (SD)	-
Thermal resistance (R)	~ 0.07 m²K/W
Impact sound reduction (IS)	≤ 20 dB
Fire protection classification (RTF)	E _{fl}

PRODUCT DATA

Item number	3045151
Thickness	2.2 mm
Dimensions	1.25 m x 12 m
Quantity per unit	15 m²
Quantity per pallet	27 pieces = 405 m²
Material	HFPS

Meets maximum EPLF and MMFA requirements (Group 1)
Suitable for underfloor heating: Yes, if floor R ≤ 0.08 m²K/W

1.6 mm

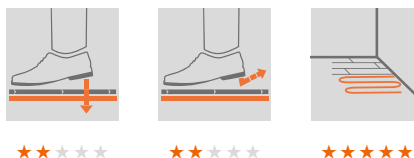


- ✓ Good walking/impact sound reduction
- ✓ At 1.6 mm low installation height for use in tight spaces
- ✓ Adequate protection for floors in domestic use with loads and traffic

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INCREASES LIVING COMFORT



PERFORMANCE (acc. EN 16354)

Punctual conformability (PC)	≥ 0.5 mm
Compressive strength (CS)	≥ 60 kPa
Compressive creep (CC)	≥ 5 kPa
Dynamic load (DL ₂₅)	≥ 100,000 Cycles
Resistance to large ball (RLB)	≥ 500 mm
Water vapour permeability (SD)	-
Thermal resistance (R)	~ 0.046 m²K/W
Impact sound reduction (IS)	≤ 17 dB
Fire protection classification (RTF)	E _{fl}

PRODUCT DATA

Item number	3034904
Thickness	1.6 mm
Dimensions	1m x 20 m
Quantity per unit	20 m²
Quantity per pallet	15 pieces = 300 m²
Material	XPS

Meets minimum EPLF and MMFA requirements (Group 1)
Suitable for underfloor heating: Yes, if floor R ≤ 0.104 m²K/W

THERMO 5 mm



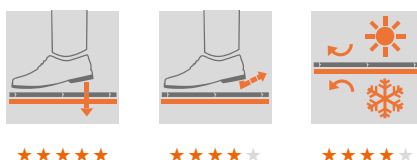
- ✓ Very good thermal insulation – ideal on floors which feel cold to the feet
- ✓ Outstanding walking/impact sound reduction
- ✓ Smooths out isolated bumps up to 4 mm (PC value)
- ✓ Very good compressive strength, offering lasting protection in areas of load and traffic
- ✓ Ideal for use with pre-existing old wooden boards



PROTECTS THE FLOORING



INCREASES LIVING COMFORT



Functionality
Quality
Usability



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ID: 0000054116



PERFORMANCE (acc. EN 16354)

Punctual conformability (PC)	≥ 4 mm
Compressive strength (CS)	≥ 90 kPa
Compressive creep (CC)	≥ 25 kPa
Dynamic load (DL ₂₅)	≥ 250,000 Cycles
Resistance to large ball (RLB)	≥ 1,400 mm
Water vapour permeability (SD)	-
Thermal resistance (R)	~ 0.15 m²K/W
Impact sound reduction (IS)	≤ 22 dB
Fire protection classification (RTF)	E _{fl}

PRODUCT DATA

Item number	3034909
Thickness	5 mm
Dimensions	0.8 m x 6.25 m
Quantity per unit	5 m²
Quantity per pallet	60 pieces = 300 m²
Material	HFPS

Meets maximum EPLF and MMFA requirements (Group 1)
Suitable for underfloor heating: No

GREEN 2 mm



- ✓ Ideal for use with pre-existing, level wooden substrates such as particleboard floors with isolated bumps of up to 0.5 mm
- ✓ Very good compressive strength
- ✓ Made from renewable raw materials – for environmentally conscious renovations

PROTECTS THE FLOORING



★★★★★



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★★★★★

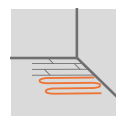
INCREASES LIVING COMFORT



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★★★★★



★★★★★

PERFORMANCE (acc. EN 16354)

Punctual conformability (PC)	≥ 0.5 mm
Compressive strength (CS)	≥ 90 kPa
Compressive creep (CC)	≥ 25 kPa
Dynamic load (DL ₂₅)	≥ 100,000 Cycles
Resistance to large ball (RLB)	≥ 500 mm
Water vapour permeability (SD)	-
Thermal resistance (R)	~ 0.042 m²K/W
Impact sound reduction (IS)	≤ 17 dB
Fire protection classification (RTF)	-

PRODUCT DATA

Item number	3034910
Thickness	2 mm
Dimensions	1 m x 15 m
Quantity per unit	15 m²
Quantity per pallet	32 pieces = 480 m²
Material	Cork

Meets minimum EPLF and MMFA requirements (Group 1)
Suitable for underfloor heating: Yes, if floor R ≤ 0.108 m²K/W

GREEN 5 mm



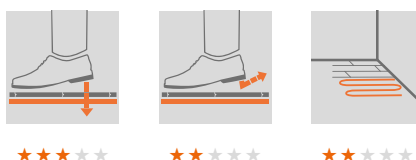
- ✓ Ideal for use with pre-existing, level wooden substrates such as particleboard floors with isolated bumps of up to 1 mm
- ✓ Very good compressive strength
- ✓ Made from renewable raw materials – for environmentally conscious renovations



PROTECTS THE FLOORING



INCREASES LIVING COMFORT



PERFORMANCE (acc. EN 16354)

Punctual conformability (PC)	≥ 1 mm
Compressive strength (CS)	≥ 90 kPa
Compressive creep (CC)	≥ 25 kPa
Dynamic load (DL ₂₅)	≥ 100,000 Cycles
Resistance to large ball (RLB)	≥ 900 mm
Water vapour permeability (SD)	-
Thermal resistance (R)	~ 0.075 m²K/W
Impact sound reduction (IS)	≤ 19 dB
Fire protection classification (RTF)	E _{fl}

PRODUCT DATA

Item number	3034912
Thickness	5 mm
Dimensions	0.59 m x 0.79 m
Quantity per unit	7 m²
Quantity per pallet	26 pieces = 182 m²
Material	Wood fibre

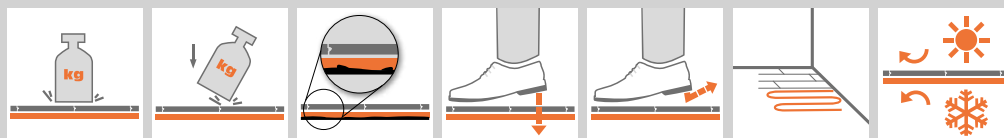
Meets minimum EPLF and MMFA requirements (Group 1)
Suitable for underfloor heating: Yes, if floor R ≤ 0.075 m²K/W

PRODUCT OVERVIEW

FLOORING **PARQUET, LAMINATE**
SUBSTRATE **WOOD**

PROTECTS THE FLOORING

INCREASES LIVING COMFORT



							
★★★ PREMIUM 2MM	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	-
★★ COMFORT 2.2 mm	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	-
★ CLASSIC 1.6 mm	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	-
SPECIAL THERMO 5mm	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	-	★★★★★
SPECIAL GREEN 2mm	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	-
SPECIAL GREEN 5 mm	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	-



Protection against loading and usage



Protection against falling objects



Protection against unevenness



Noise reduction in surrounding areas



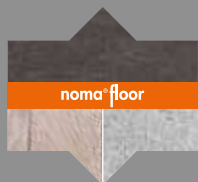
Noise reduction in room of use



Compatibility with underfloor heating



Thermal insulation



UNDERLAYS FOR
FLOORINGS
VINYL/DESIGNER FLOORS

SUBSTRATE
MINERAL, WOOD

The products detailed below have been specially developed for use with modern vinyl and designer floor coverings. The pressure-resistant foam offers floors reliable protection and makes life more comfortable.

As a rule, vinyl boards tend to be thinner and more flexible than laminate and in addition, the click connections are more delicate. This makes the underlay very important.

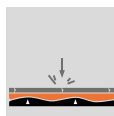
noma®floor vinyl and designer flooring underlays help to correct smaller isolated bumps on the substrate and stop them showing through on thin vinyl floors (the telegraphing effect). The GripTec® anti-slip surface stops the boards from sliding and therefore keeps the gaps from coming open.

1,5 mm GripTec

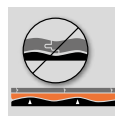


- ✓ 1.5 mm strong, pressure-resistant polystyrene foam
- ✓ GripTec® anti-slip surface
- ✓ Vapour barrier
- ✓ easy cut® printed grid feature

PROTECTS THE FLOORING



★★★★★



★★★★★



★★★★★

INCREASES LIVING COMFORT



★★★★★



★★★★★



★★★★★



ACCESSORIES RECOMMENDED

SEE PAGE 32



PERFORMANCE

Punctual conformability (PC)	≥ 1 mm
Compressive strength (CS)	≥ 500 kPa
Compressive creep (CC)	≥ 35 kPa
Dynamic load (DL ₇₅)	≥ 250,000 Cycles
Water absorption (EN 12087)	≤ 1%
Coefficient of friction μ_D (ISO 8295)	≥ 0.8
Water vapour permeability (SD)	≥ 100 m
Thermal resistance (R)	~ 0.04 m²K/W
Impact sound reduction (IS)	≤ 20 dB
Fire protection classification (RTF)	E _{fl}

PRODUCT DATA

Item number	3034899
Thickness	1.5 mm
Dimensions	1.2 m x 8.5 m
Quantity per unit	10.2 m²
Quantity per pallet	27 pieces = 275.4 m²
Material	HGPS + GripTec® surface

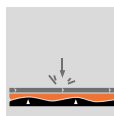
Meets maximum MMFA requirements (Group 1 & 2)
Suitable for underfloor heating: Yes, if floor R ≤ 0.11 m²K/W

1.5 mm Anti-Slip

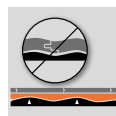


- ✓ Consists of an age-resistant polyurethane heavy layer and a high-quality non-woven backing
- ✓ Anti-Slip surface
- ✓ Made from up to 90% natural raw materials
- ✓ Excellent impact sound reduction

PROTECTS THE FLOORING



★★★★★



★★★★★



★★★★★

INCREASES LIVING COMFORT



★★★★★



★★★★★



★★★★★



www.blauer-engel.de

PERFORMANCE

Punctual conformability (PC)	≥ 0.65 mm
Compressive strength (CS)	≥ 600 kPa
Compressive creep (CC)	≥ 95 kPa
Dynamic load (DL ₇₅)	≥ 3,000,000 Cycles
Water absorption (EN 12087)	≤ 1%
Water vapour permeability (SD)	-
Thermal resistance (R)	~ 0.01 m²K/W
Impact sound reduction (IS)	≤ 17 dB
Fire protection classification (RTF)	Bfl-s1

PRODUCT DATA

Item number	3045431
Thickness	1.5 mm
Dimensions	1 m x 10 m
Quantity per unit	10 m²
Quantity per pallet	40 pieces = 400 m²
Material	Bio-PU

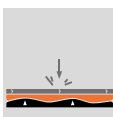
Meets minimum MMFA requirements (Group 2)
Suitable for underfloor heating: Yes, if floor R ≤ 0.14 m²K/W

1 mm



- ✓ 1.0 mm strong, pressure-resistant polystyrene foam
- ✓ Easy-glide film surface (no vapour stop)
- ✓ easy cut® printed grid feature

PROTECTS THE FLOORING



★★★★★



★★★★★



★★★★★

INCREASES LIVING COMFORT



★★★★★



★★★★★



★★★★★



ACCESSORIES REQUIRED

SEE PAGE 32



PERFORMANCE

Punctual conformability (PC)	≥ 0.5 mm
Compressive strength (CS)	≥ 400 kPa
Compressive creep (CC)	≥ 25 kPa
Dynamic load (DL ₇₅)	≥ 250,000 Cycles
Water absorption (EN 12087)	≤ 1%
Coefficient of friction μ ₀ (ISO 8295)	-
Water vapour permeability (SD)	-
Thermal resistance (R)	~ 0.03 m²K/W
Impact sound reduction (IS)	≤ 17 dB
Fire protection classification (RTF)	E _{fl}

PRODUCT DATA

Item number	3034905
Thickness	1 mm
Dimensions	1.2 m x 12.5 m
Quantity per unit	15 m²
Quantity per pallet	27 pieces = 405 m²
Material	HCPS

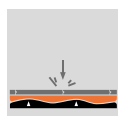
Meets minimum MMFA requirements (Group 1 & 2)
Suitable for underfloor heating: Yes, if floor R ≤ 0.11 m²K/W

DRY BACK 2 mm



- ✓ Consists of an age-resistant polyurethane heavy layer and a high-quality non-woven backing
- ✓ Self-adhesive surface
- ✓ Made from up to 90% natural raw materials
- ✓ High energy efficiency (high savings with underfloor heating)

PROTECTS THE FLOORING



★★★★★



★★★★★



★★★★★

INCREASES LIVING COMFORT



★★★★★



★★★★★



★★★★★



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PERFORMANCE

Punctual conformability (PC)	≥ 0.79 mm
Compressive strength (CS)	≥ 450 kPa
Compressive creep (CC)	≥ 50 kPa
Dynamic load (DL ₇₅)	≥ 3,000,000 Cycles
Resistance to large ball (RLB)	≥ 800 mm
Water vapour permeability (SD)	-
Thermal resistance (R)	~ 0.01 m²K/W
Impact sound reduction (IS)	≤ 16 dB
Fire protection classification (RTF)	Bfl-s1

PRODUCT DATA

Item number	3045429
Thickness	2 mm
Dimensions	1 m x 8 m
Quantity per unit	8 m²
Quantity per pallet	40 pieces = 320 m²
Material	Bio-Pu

Meets minimum EPLF and MMFA requirements (Group 2)
Suitable for underfloor heating: Yes, if floor R ≤ 0.14 m²K/W

PRODUCT OVERVIEW

FLOORING **VINYL/DESIGNER FLOORS**
SUBSTRATE **MINERAL, WOOD**

PROTECTS THE FLOORING

INCREASES LIVING COMFORT



★★★ PREMIUM 1.5 mm GripTec	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
★★ COMFORT 1.5 mm Anti-Slip	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
★ CLASSIC 1 mm	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
SPECIAL 2 mm DRYBACK	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★



Protects against damage in the event of subfloor imperfections



Protects from telegraphing caused by the subfloor



Protects against loading, usage and opening of joints



Noise reduction in surrounding areas



Noise reduction in room of use



Shock-absorbing flooring structure

ACCESSORIES

Accessory products from the noma®floor range are essential for professional fitting. They guarantee a level of protection which meets the standards, and ensure that the underlays will work with maximum efficiency.

Aluminium Foil Sealing Tape



PERFORMANCE

Fire protection classification (RTF) (EN 16354 / SWN 103)	E_{fl}
Water absorption (EN 12087)	$\leq 1 \%$
sd- value (EN 16354 / SWN 104)	$\geq 200 \text{ m}$

Necessary in the case of mineral substrates to seal joints in combination with an AquaStop surface or PE humidity protection film.

PRODUCT DATA

Item number	3037264
Thickness	0.05 mm
Dimensions	50 m x 50 mm
Packaging	50 m
Material	Adhesive tape

PE Vapour Barrier



PERFORMANCE

Fire protection classification (RTF) (EN 16354 / SWN 103)	E_{fl}
Thermal resistance (R) (DIN 4108)	$< 0.005 \text{ m}^2\text{K/W}$
Water absorption (EN 12087)	$\leq 5 \%$
sd- value (EN 16354 / SWN 104)	$\geq 100 \text{ m}$

Necessary in the case of mineral substrates in combination with products without AquaStop surface.

PRODUCT DATA

Item number	3034915
Thickness	0.2 mm
Dimensions	2 m x 13 m
Packaging	26 m ²
Material	PE film



KEY FACTORS FOR SUCCESS

noma®floor - THE PERFORMANCE UNDERLAY



„Made in Germany“ quality

Tested and certified – by professionals, for professionals



Streamlined, but very competent range

A professional selection, the right product for every application



Products for many different applications

Balanced product range – 3 quality levels and special products



Innovative products

Smart solutions – creative, high-performance and progressive



Simple advice („KISS“ concept)

Clear, easy, unambiguous – Quick and convincing consultation

YOU CAN FIND FURTHER INFORMATION AND
INSTALLATION VIDEOS ON THE noma®floor WEBSITE

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