

Arbiton
FLOOR EXPERT



UNDERLAYS



Arbiton
FLOOR EXPERT

DECORA GROUP



WE CREATE
WE TEST
WE PRODUCE

Innovation, quality and know-how. Since 1994 we've been investing in knowledge, technology and our machinery park.

We aim to become market LEADER wherever we are present. We are pushing forward and strive for more to deliver accessories perfectly matched to the products.



DESIGN

Every year A.DESIGN STUDIO analyzes trends, changes in consumer preferences and hundreds of new floor colors. That's why we can create customer orientated solutions and stay relevant.



TECHNOLOGY

Our inhouse laboratory is testing hundreds of floors from all major manufacturers to improve our accessories and create functional floor system. That's why, we know the strongest and weakest points of all types of floors. We are also testing our underlays to deliver top quality solutions for different floor types.

INNOVATION

We are an European leader for production mof floor accessories. Our technological development allows us to offer great portfolio of products in various technologies.







CONTENT

NEED TO KNOW

TYPES OF UNDERLAY	06
ARBITON PHILOSOPHY	08
PERFORMANCE	09
INSTALLATION	12
ENVIRONMENT	13
HOUSE OF NEEDS	14
FLOOR HEATING	16
THERMAL COMFORT	18
ACOUSTIC COMFORT	19
FLOOR DURABILITY	20

FLOATING FLOOR LAMINATE & NATURAL FLOORS

NEW M-BASE FAMILY	26
MULIPROTEC FAMILY	28
NEW OPTIMA FAMILY	30
SECURA SMART FAMILY	32
SECURA ROLLS FAMILY	34

VINYL FLOORS

M-BASE VINYL FAMILY	40
NEW OPTIMA VINYL FAMILY	41
MULTIPROTEC VINYL FAMILY	42
SECURA VINYL FAMILY	44

HEATING FOIL SYSTEMS

ENERGY SAVING FLOORING SYSTEM	48
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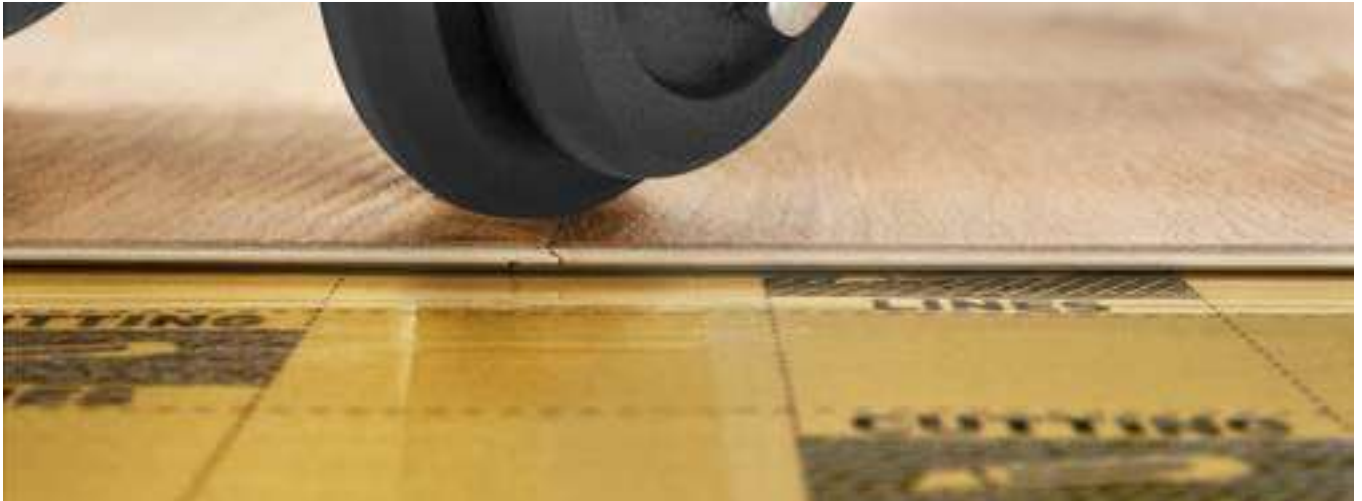
ACCESSORIES	50
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OVERVIEW	52
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WHY DOES FLOORING NEED AN UNDERLAY?

A GOOD UNDERLAY PROLONGS LIFETIME OF FLOORING BY UP TO 8 TIMES!

In the case of “floating floors”, the properties, parameters and comfort of use depend on the floor itself (panels) as well as the underlay on which we lay it. By using an appropriate underlay we can create a type of “foundation” between the panels and the subfloor.



THE UNDERLAY PLAYS AN IMPORTANT ROLE WHERE IT:



PROTECTS THE FLOORING FROM EVERYDAY LOADS

- for example walking or the impact of falling objects, as well as the constant load of heavy furniture.



REDUCES THE COSTS OF UNDERFLOOR HEATING

and provides effective insulation from moisture.



SOUNDPROOFS THE ROOM

- tones down the sound of steps and any noise from the room below.



COMPENSATES FOR UNEVENNESS OF THE SUBFLOOR,

hence unburdening the click locking system.

ARBITON UNDERLAYS

EVERYTHING UNDER ONE ROOF!

We are the only manufacturer in the world producing PUM, XPS, and PEHD underlays with Aquastop technology. As the European market leader, we craft underlays in all three technologies, entirely in-house, under one roof.



XPS UNDERLAYS

- **Lightweight and easy to handle:** Simple to cut and install, ideal for quick and efficient flooring projects.
- **Good compression strength:** Reliable support for various flooring types.
- **Budget-Friendly Solution:** Great performance at an attractive price.
- **Key Applications:** All types of floors in both residential and commercial use.

PEHD UNDERLAYS

- **Impact Sound Reduction:** Acoustic comfort between floors in multi-level buildings or busy environments.
- **Durability and Longevity:** Underlays maintain their performance for years, ensuring a long-lasting flooring solution.
- **Ease of Installation:** The format of roll allows for quick and simple installation
- **Easy Logistics:** The compact roll format is easy to transport, handle, and store.
- **Key Applications:** All types of floors in both residential and commercial use.

PUM UNDERLAYS

- **Premium acoustic performance:** The top choice for sound insulation, delivering exceptional reduction in impact noise.
- **Exceptional Durability:** Protection from wear and tear, extending its lifespan even in high-traffic areas.
- **Thermal Efficiency:** Enhance thermal performance, ensuring energy efficiency and consistent comfort.
- **Precise Installation:** Easy handling making them a preferred choice for professional fitters.
- **Key Applications:** Ideally suited for premium flooring types where excellent thermal conductivity and durability are priorities. Perfect for commercial use thanks to the best fire resistance parameter: Bfl-s1.

ARBITON PHILOSOPHY

Consumers have three fundamental needs when it comes to underlayments: remarkable performance, hassle-free installation, and eco-friendly solutions. At Arbiton, we've designed our products to excel in all three dimensions, ensuring we meet these expectations perfectly.



PERFORMANCE

Includes critical technical aspects such as durability, effective heat conduction, and appropriate soundproofing. These parameters are the result of years of research and rigorous testing, with all Arbiton products manufactured in compliance with the EN16354 standard. As industry pioneers, we offer a complete dataset including the RWS parameter in SONES, aligned with the latest EPLF technical bulletin from December 2022.

INSTALLATION

Proper installation ensures optimal product functionality. Arbiton underlayments are designed to make the installation process faster and easier for professional installers, while also providing comfort and safety for occasional DIY users.

ENVIRONMENT

With growing global efforts to combat climate change, eco-friendliness has become a critical consideration. Many Arbiton products now carry the BLUE ANGEL certification, a testament to their ecological safety. Furthermore, we proudly lead the market by offering EPD certification for nearly all our products and providing detailed carbon footprint assessments for the M-BASE, MULTIPROTEC, and SECURA product families. These initiatives mark the first steps in reducing our environmental impact.

PERFORMANCE

DURABILITY

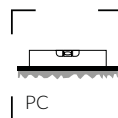


ARBITON UNDERLAYS MEET REQUIREMENTS OF EU NORM EN16354

We are the first manufacturer in Central Europe with all the products in our portfolio having achieved all requirements from EN16354 norm.

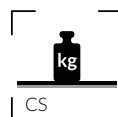
Since April 2019 each underlay needs to fulfil particular conditions of EN16354 European norm. This regulation describes crucial parameters for underlayment and for the first time, sets the methodology of measuring performance, clarifies the evaluation of product between different manufacturers and unifies the comparison.

Norm refers to 3 main parameters regarding the durability of the floor:



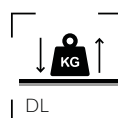
PUNCTUAL CONFORMABILITY (PC)

Is an ability of the underlay to absorb small defects of subfloor.



COMPRESSIVE STRENGTH (CS)

It helps to ensure integrity of the flooring system.



DYNAMIC LOAD (DL)

Aims to secure sufficient resistance against long term changeable load (e.g. by walking people, sitting and rolling on a castor chair etc).



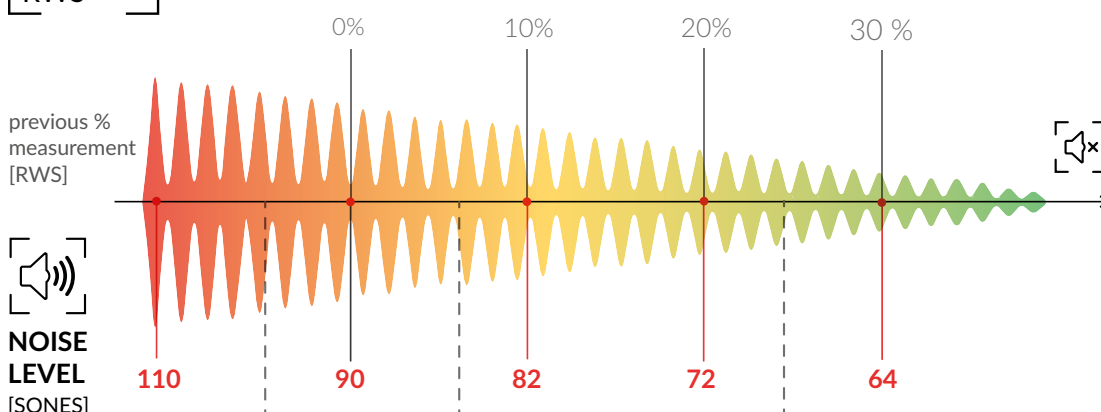
Highest quality of our products comes from many years of research, development and experience as the manufacturer

PERFORMANCE

ACOUSTIC COMFORT



RWS parameter demonstrates the difference in loudness of steps resonating on the floor. Starting from 2023, as EPLF recommends, we will describe the RWS parameter in sones, instead of percents.



To compare them we are using objective scale of loudness which describes level of loudness expressed in sones. The lower the number of sones is the better - reflected sound in quieter.



PE FOAM



XPS SMART UNDERLAYS



MULTIPROTEC ABSOLUTE 3in1

Acoustic performance of laminate floors was measured in correlation to the flooring system of laminate planks together with PE Foam

SONES describe objective loudness so this way is possible to compare different flooring systems i.e., laminate flooring with underlay and vinyl flooring with underlay.

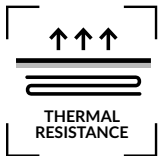


IS (Impact Sound) parameter measures the reduction of sound transmitted to the floor below, providing an objective evaluation of acoustic performance. The IS parameter is expressed in decibels (dB), ensuring a clear and standardized comparison across different flooring systems.

The **lower the dB value, the better the performance**, as it signifies a greater reduction in impact noise, such as footsteps or dropped objects, between floors. This makes the IS parameter a critical factor in projects where sound insulation is a priority, such as multi-story residential buildings, offices, and hotels.

PERFORMANCE

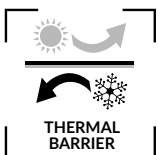
THERMAL COMFORT



Thermal Resistance (R-value) parameter is a key factor in determining the efficiency of flooring systems when paired with underfloor heating or cooling. It measures the material's ability to resist heat transfer, expressed in $\text{m}^2\text{K/W}$.

For systems with underfloor heating or cooling, **a lower thermal resistance value is better**, as it allows heat or cool air to pass through the flooring more efficiently, ensuring optimal energy transfer and quicker temperature regulation in the room.

Arbiton underlays are designed to offer **excellent thermal conductivity**, ensuring compatibility with modern underfloor systems and enhancing energy efficiency.



Thermal Barrier parameter reflects the underlay's ability to provide heat insulation, helping to maintain a stable and comfortable indoor temperature.

This feature is especially valuable in spaces where flooring is installed over cold surfaces such as concrete slabs or poorly insulated subfloors.

A **higher thermal barrier value** indicates better insulation, reducing heat loss through the floor and contributing to improved energy efficiency. This makes it an ideal solution for areas where maintaining warmth is a priority, such as bedrooms, living rooms, or spaces in colder climates.

INSTALLATION



At Arbiton, we prioritize efficiency and precision in every detail. Our innovative installation solutions are crafted to simplify the flooring process, saving time without compromising quality.

These unique systems ensures faster, easier, and more secure installations, making it the ultimate choice for professional fitters and contractors.

ARBITON'S INNOVATIVE INSTALLATION SOLUTIONS

3IN1

- > UNDERLAYMENT
- > DAMP PROOF MEMBRANE
- > SELF-ADHESIVE TAPE

Unique system that offers quicker installation and saves time.



CUTTING LINES

PRECISION MADE EASY!

Our cutting lines printed directly on the underlays ensure quick and accurate installation.



FAN FOLD FORM

Designed and manufactured for quicker and more secure installation.





RESPONSIBLE MANUFACTURING

ZERO WASTE

The idea of zero waste has gained popularity in recent years, especially in the context of manufacturing processes. The goal is to eliminate waste by maximizing the use of materials and reducing the amount of waste generated. This involves a shift resources are reused and recycled instead of being disposed of. By implementing zero waste practices, we can reduce our environmental impact and save resources. It requires a shift in mindset and a commitment to continuously improve and innovate towards a more sustainable future.



BLUE ANGEL LABEL

The Blue Angel – the environmental label of the German federal government – has set solid standard for environmentally friendly, healthy and durable products and services in an independent and credible way since 1978.

The Blue Angel is German most best known environmental label. You can thus benefit from the clear competitive advantages and added level of trust that this environmental label bring to the market and amongst consumers.



EPD

All our M-Base, Multiprotec and Secura products has a Type III Environmental Product Declaration (EPD) based on EN15804 and verified according to ISO 14025 by an external auditor. It contains the information on the impacts of the declared construction materials on the environment.



FIND THE RIGHT UNDERLAY

IN JUST 4 QUICK QUESTIONS

1

DO YOU
FIT THE FLOOR
WITH
**UNDERFLOOR
HEATING
SYSTEM?**

 **YES**

Look for products
with the following icon



NO

2

DO YOU NEED
TO INSULATE
THE ROOM
**FROM
THE COLDER AREA
UNDERNEATH?**

 **YES**

Look for products
with the following icon



NO





3

DO YOU WANT
**TO IMPROVE
ACOUSTIC
COMFORT?**

✓ **YES**

Look for products
with the following icons



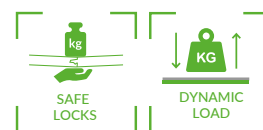
NO

4

DO YOU FIT
THE FLOOR
**IN HIGH TRAFFIC
AREA?**

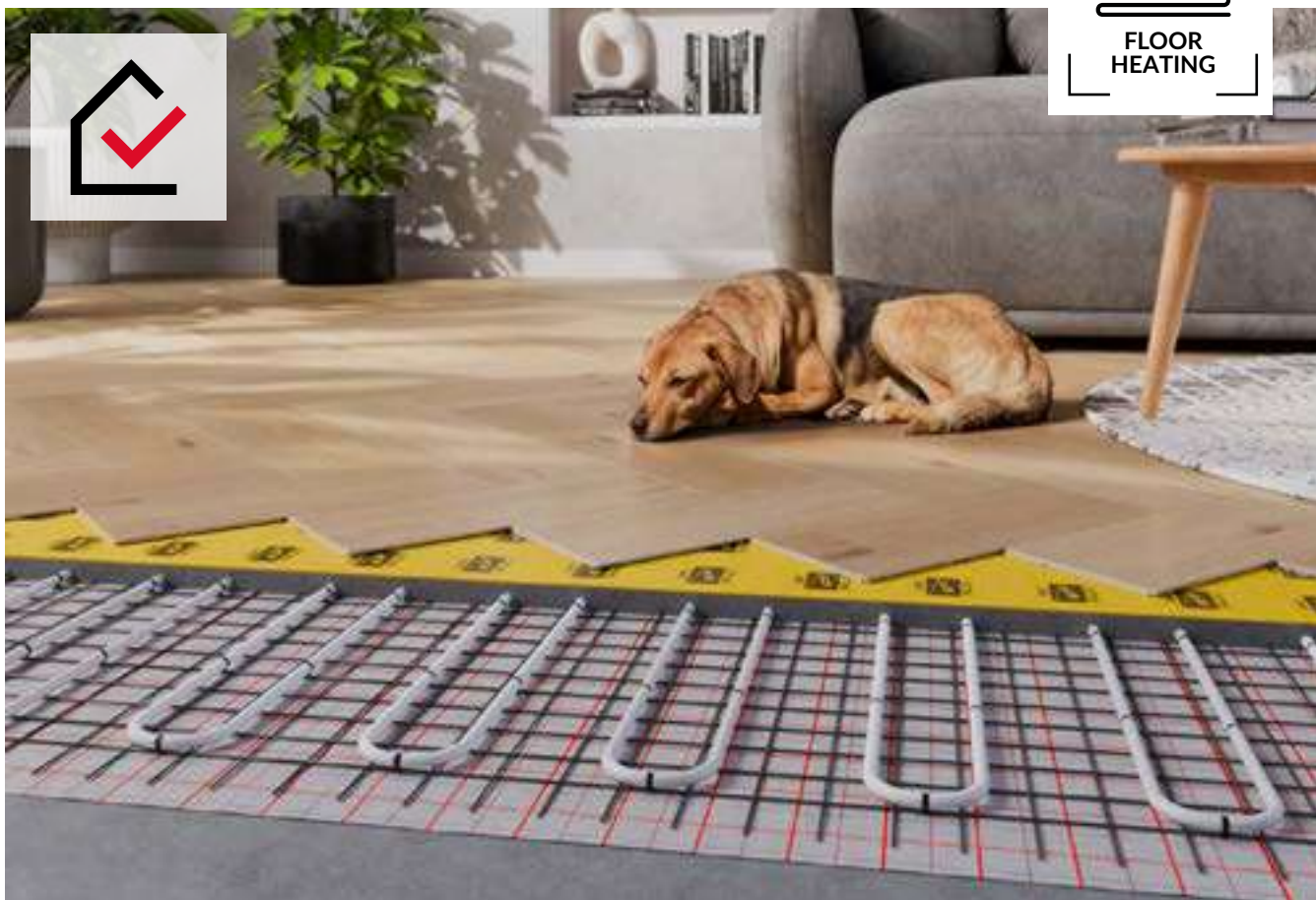
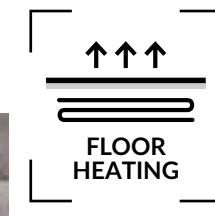
✓ **YES**

Look for products
with the following icons



FLOOR HEATING

HEATING BELOW THE UNDERLAY



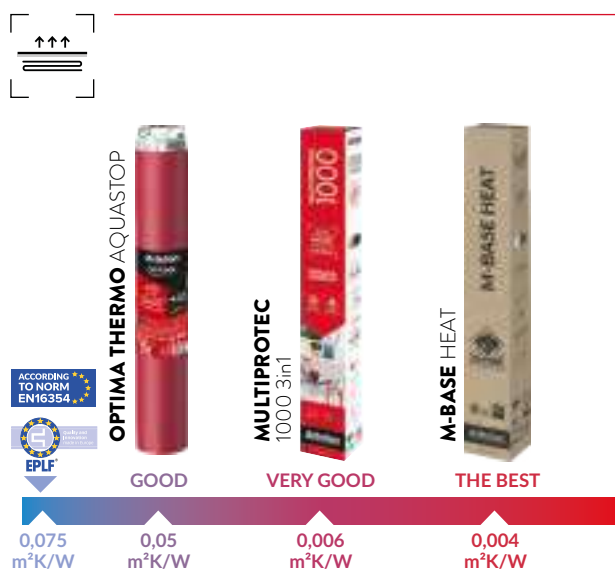
The choice regarding which floor type will be used is done at the very beginning when planning an investment. The thermal resistance is the factor that should be taken into consideration. Correctly selected underlay will reduce resistance of the system and allow warm air to pass into the area easier.

The thermal resistance of a flooring system (floor covering + underlay) should not exceed $0,15 \text{ m}^2\text{K/W}$ in accordance with EN16354 and DIN EN1264.

The lower the thermal resistance of the flooring, the higher the efficiency of the underfloor heating. To determine the thermal resistance of a flooring system, simply add the thermal resistance values of the floor covering and the underlay.

For example, laminate flooring of 8 mm thickness has a thermal resistance of $\sim 0,08 \text{ m}^2\text{K/W}$. With this type of flooring, you should use an underlay with minimal thermal resistance. Arbiton offers such solutions.

M-Base HEAT is the best underlay for underfloor heating, with a thermal resistance of only $0,004 \text{ m}^2\text{K/W}$. This parameter is a result of its density and natural ingredients, which conducts heat very well. It drastically reduces energy consumption compared to other products. Efficient underfloor heating guarantees savings on heating cost of the household.



HEATING FILM SYSTEM

HEATING ON TOP OF THE UNDERLAY



When choosing underlays for use with electric heating films, it's essential to focus on solutions that enhance heat efficiency while protecting the heating system itself.

The **Energy Saving Flooring System** by Arbiton is designed specifically for such applications, offering unparalleled functionality and convenience.

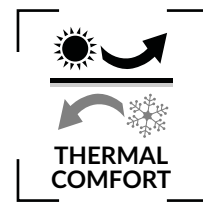
This innovative system integrates two types of protective films, a 5 mm insulating underlay, and mineral-core panels. Together, they create a complete solution that ensures fast and efficient heat distribution due to exceptionally low thermal resistance.

When combined with photovoltaic panels, it becomes a sustainable and cost-effective heating solution, reducing energy costs while lowering environmental impact.

With a total floor height increase of just 10 mm (including flooring), this system is also an ideal choice for renovations where maintaining minimal floor height is critical.



THERMAL COMFORT



The higher the R value, the better the flooring system will be suited for use on an uninsulated subfloor.

Do you need to INSULATE YOUR ROOM FROM THE COLD area underneath?

In case of installation on uninsulated subfloors on the ground floor, in a basement or above unheated like garages, increased comfort can be achieved with good thermal insulation of the floor covering.

This can help provide higher floor temperatures and more comfort when walking barefoot.



0,075
m²K/W

SECURA EXTRA
AQUASTOP SMART

VERY GOOD

0,11
m²K/W

SECURA MAX
AQUASTOP SMART

THE BEST

0,18
m²K/W

ACOUSTIC COMFORT



While we cannot completely eliminate floor noises, they can be reduced significantly with a suitable underlay. Reduction in sound noise is expressed in two ways. First one is the reduction of reflected walking sound inside a room that is measured in SONES. The lower number is the better acoustic performance and quieter room. Second measurement is reduction of impact sounds that are transmitted through the subfloor. This is a very important factor in residential buildings, providing better acoustic insulation from neighbours.

What does this actually mean?

Well, a IS noise reduction of 10 dB corresponds to 50% soundproofing to the human ear. The best underlays for laminate floor have an RWS of 64 sones and an IS of more than 20 dB. Standard PE foam seems to be less useful in this area, as it has hardly any effect on noise reduction (90-95 sones, and 10 dB).



The lower the number of sones is the better - reflected sound is quieter.



MULTIPROTEC
ACOUSTIC 3in1

VERY GOOD

66 sones

MULTIPROTEC
ABSOLUTE 3in1

THE BEST

64 sones



MULTIPROTEC
ABSOLUTE 3in1

VERY GOOD

21 dB

SECURA MAX
AQUASTOP SMART

THE BEST

22 dB

10 dB ΔLin
21 dB

FLOOR DURABILITY

COMPRESSIVE STRENGTH



WILL THE FLOOR BE USED IN A HIGH-TRAFFIC ROOM?

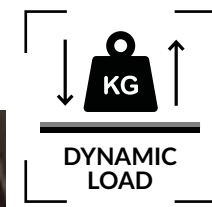
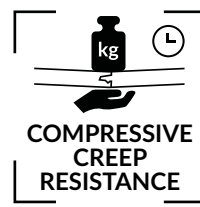
If so, use an underlay with the highest compressive strength parameter (kPa). The higher the CS value the better the underlayment will protect the locking system and counteract the deformation opening-up of any cracks.

Recommendations from EPLF specify that CS value must be at least 60 kPa. In our laboratories we conduct series of tests. One of them is castor chair test. Arbiton underlays significantly improve the durability of the flooring covering and contribute to reach a higher number of cycles and in some cases let the floor pass the 25 000 cycles mark.



FLOOR DURABILITY

COMPRESSIVE CREEP RESISTANCE
& DYNAMIC LOAD



When exposed to long-term static loads, such as heavy furniture, an underlay's performance can deteriorate.

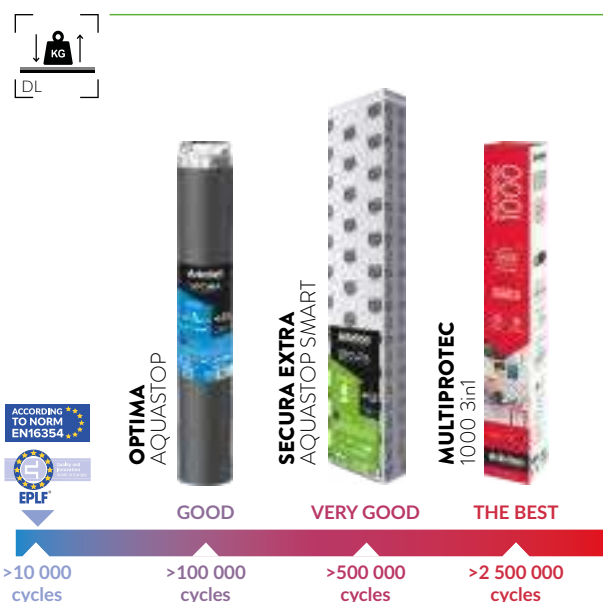
To prevent this, the flooring system is tested for **Compressive Creep (CC)**, which measures the maximum static load the underlay can withstand over 10 years without losing its properties (i.e., thickness reduction of 0.5 mm).

A higher CC value allows for heavier furniture without compromising quality. The recommended CC value is 20 kPa.

Dynamic load (DL) is a key parameter of floor durability, indicating an underlay's resistance to long-term stress from walking people or rolling castor chairs.

The EN16354 standard classifies underlays into three levels: DL1 (lowest) to DL3 (highest), with a minimum of 10,000 cycles required to qualify as an underlay.

Low density PE foam products in DIY stores fail to meet this standard and cannot be classified as true underlays.*



*Refers to PE product with density below 30 kg/m³

FLOATING FLOOR LAMINATE & NATURAL FLOORS

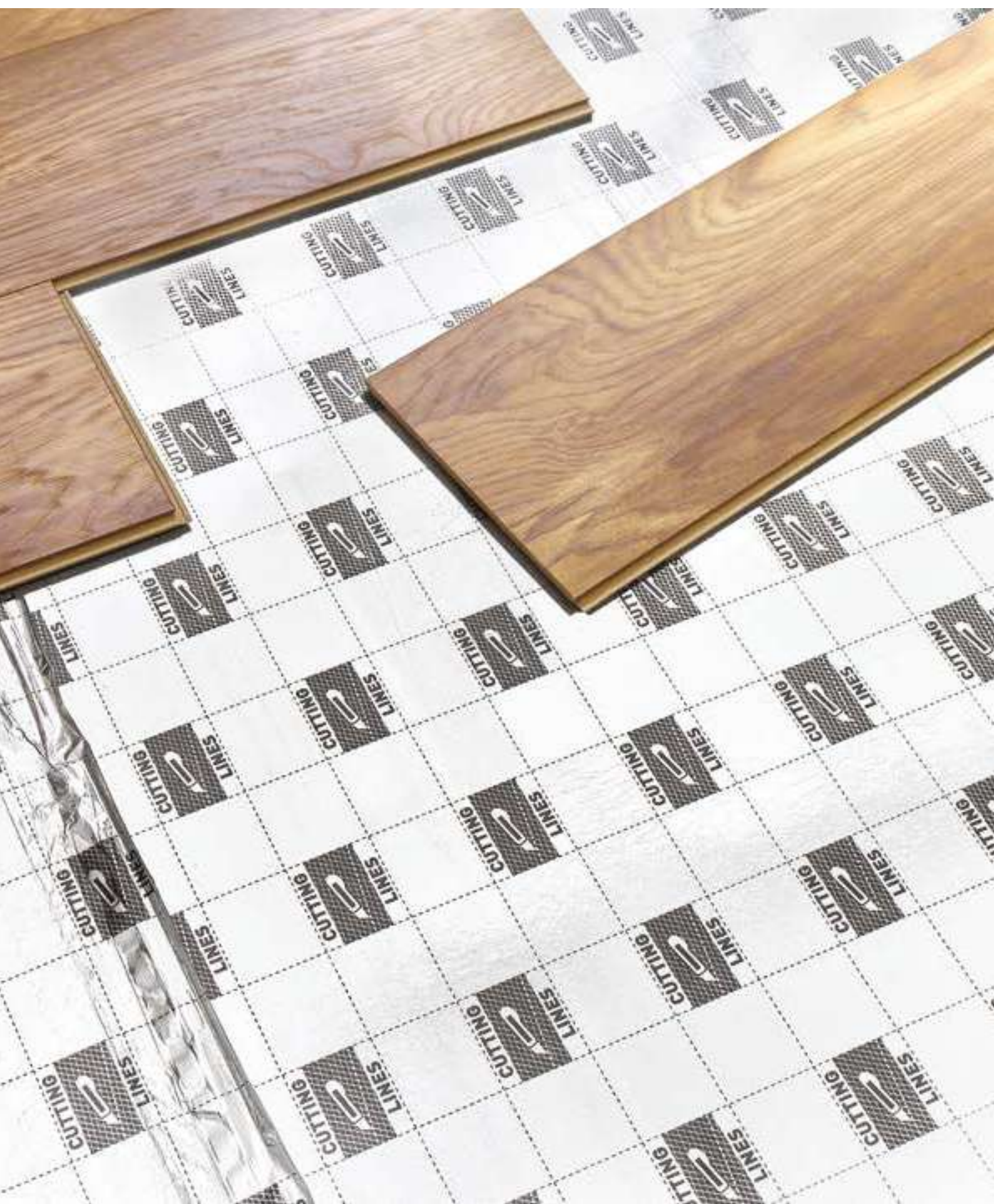
Choosing the right underlay is essential for the performance and longevity of floating laminate and natural floors.

Arbiton underlays are designed to provide optimal support, enhancing comfort and durability while protecting your floor from everyday wear.

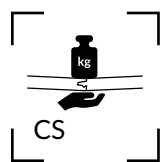
With excellent acoustic insulation, moisture resistance, and compatibility with underfloor heating, our solutions ensure your flooring not only looks great but performs at its best for years to come.

Explore our range to find the perfect match for your needs.



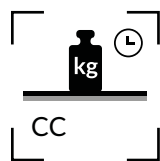


CHOOSE ADEQUATE UNDERLAY FOR YOUR FLOATING FLOOR LAMINATE & NATURAL FLOOR



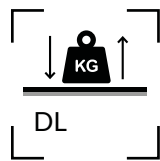
COMPRESSIVE STRENGTH

Indicates the underlay's ability to withstand static loads. For laminate and wooden floors, it is recommended to use underlays with $CS \geq 60 \text{ kPa}^{**}$ to ensure durability and prevent floor damage from heavy furniture or prolonged use.



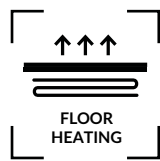
COMPRESSIVE CREEP RESISTANCE

Measures the long-term load resistance. For laminate and wooden floors, $CC \geq 20 \text{ kPa}$ is essential to avoid permanent deformation under furniture or heavy objects over time.



DYNAMIC LOAD

Defines the underlay's resistance to repetitive impacts, such as foot traffic or dropped objects. An underlay with a DL value $> 100\,000$ cycles ensures durability and consistent performance in high-use areas.



FLOOR HEATING

For effective floor heating, the thermal resistance (R) of the underlay should be minimal. The Norm EN16354 recommends using an underlay with $R \leq 0.15 \text{ m}^2\text{K/W}$, ensuring efficient heat transfer through the floor system.



WALKING SOUND REDUCTION

Walking sound is understood as the noise that is spread across the room while interacting with floor covering (e.g. when walking over it, playing on it, etc.). This noise is measured in SONES. A 1 kHz tone at 40 dB corresponds to 1 sone. Loudness is a linear measure, twice as high result in sones will correlates to twice as high perceived noise. The lower the RWS value, the better the underlayment will reduce the emission of walking noise.



PERFORMANCE

ARBITON UNDERLAYS FULFIL EN16354 NORM AND LATEST EPLF RECOMMENDATIONS



		Requirement	KPI	Description	Benefits for users	Minimum value	Recommend value
EN16354 NORM GUIDELINES	FLOOR DURABILITY	PUNCTUAL CONFORMABILITY		Smoothering small local defects of the subfloor or small particles laying on the subfloor	Preventing from cracking and clicking noise from sound bridges	$\geq 0,5 \text{ mm}$	
		COMPRESSIVE STRENGTH		Compressive strenght at deformation	Protection of locking system and against cracking	$\geq 10 \text{ kPa}$	$\geq 60 \text{ kPa}$
		COMPRESSIVE CREEP RESISTANCE		Sustained static load	The higher value allow placed heavier furniture on the flooring system	$\geq 2 \text{ kPa}$	$\geq 20 \text{ kPa}$
		DYNAMIC LOAD		Resistance of the underlay against long-term dynamic load	Resistance to intensive usage	$\geq 10\,000 \text{ cycles}$	$\geq 100\,000 \text{ cycles}$
		RESISTANCE TO IMPACT BY LARGE BALL		Measured for the whole system - laminate + underlay	Protecting from deformation in case of heavy object fall	$> 500 \text{ mm}$	$> 1200 \text{ mm}$
	ACOUSTIC COMFORT	IMPACT SOUND REDUCTION		Transferred sound reduction	Sounds transferred to area below are muffled	$\geq 14 \text{ dB}$	$\geq 18 \text{ dB}$
		RADIATED WALKING SOUND		Reflected walking sound emitted	Reduction of noises reflected from the floor f.e. steps	$< 110 \text{ sones}$	
	THERMAL COMFORT	THERMAL BARRIER		Heat insulation*	Reduction of hot or cold transmission through the oor covering	$\geq 0,075 \text{ m}^2\text{K/W}$	
	FLOOR HEATING	THERMAL RESISTANCE		Usefulness for coverings with underfloor heating (H) or cooling (C)**	Less time required for heating up/cooling off; energy savings	H: $\leq 0,15$ C: $\leq 0,15 \text{ m}^2\text{K/W}$	
	SUBSTRATE STRUCTURE	WATER VAPOUR RESISTANCE		Protection against residual moisture in substrate	Avoiding damp related damages	$\geq 75 \text{ m}$	

*EN16354 norm and 12/2022 TECHNICAL BULLETIN - Installation of Laminate Floor Coverings / ** Tested with the entire system: floor + underlay

M-BASE FAMILY



www.blauer-engel.de/uz156

M-BASE HEAT is the product to choose when thinking about underfloor heating for natural floors. The higher thermal resistance associated with natural floors sets a high bar for the underlay used. Thanks to its very low thermal resistance, M-BASE HEAT is the perfect choice.

M-BASE SOUND is designed to create an additional soundproof barrier. It perfectly improves the acoustic comfort of the floor in use - it dampens the sound of steps and creates an effective barrier against the TRANSMISSION of sound through the floor.

M-BASE DUO an underlay for special purposes:

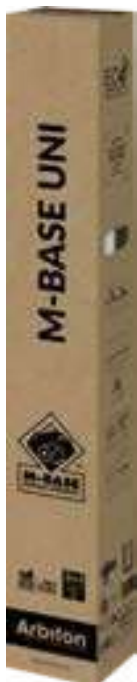
1. Perfect solution for installations where vapor barrier is not recommended e.g.: on wooden subfloors, ensuring proper ventilation and stability.
2. M-BASE DUO can be installed by applying glue to both sides: first to the subfloor, then to the flooring. Suitable for wooden floors, vinyl floors, and ceramic tiles.

UNDERLAYS MADE OF NATURAL MINERALS



OVER **94%**
NATURAL
COMPONENTS

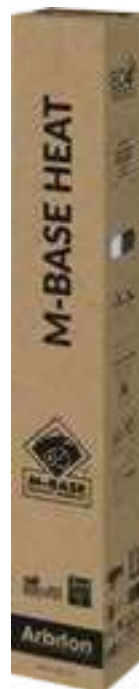
M-BASE UNI



MATERIAL	PUM+PET
THICKNESS	2 mm
FORM	ROLL / 8 m ²

PC	CLASS PC2 (<1,4 mm)
CS	CLASS CS3 (<240 kPa)
CC	CLASS CC3 (50 kPa)
DL	CLASS DL3 (>2 500 000 cycles)
RLB	CLASS RLB2 (≤1000 mm)
IS	<18 dB
RWS	66 sonos
FLOOR HEATING	YES
THERMAL COMFORT	<0,007 m ² K/W
SD	>75 m
EAN	5905167852743

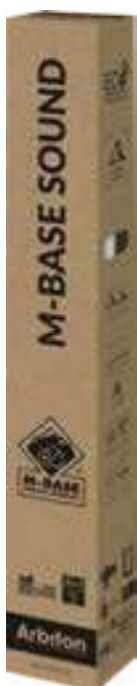
M-BASE HEAT



MATERIAL	PUM+PET
THICKNESS	1,5 mm
FORM	ROLL / 9 m ²

PC	CLASS PC2 (<1,2 mm)
CS	CLASS CS3 (<280 kPa)
CC	CLASS CC3 (50 kPa)
DL	CLASS DL3 (>2 500 000 cycles)
RLB	CLASS RLB2 (≤1000 mm)
IS	<17 dB
RWS	72 sonos
FLOOR HEATING	YES
THERMAL COMFORT	<0,004 m ² K/W
SD	>75 m
EAN	5905167847053

M-BASE SOUND



MATERIAL	PUM+PET
THICKNESS	2,4 mm
FORM	ROLL / 6 m ²

PC	CLASS PC2 (<1,6 mm)
CS	CLASS CS2 (<120 kPa)
CC	CLASS CC3 (50 kPa)
DL	CLASS DL3 (>2 500 000 cycles)
RLB	CLASS RLB2 (≤1000 mm)
IS	<19 dB
RWS	66 sonos
FLOOR HEATING	YES
THERMAL COMFORT	<0,009 m ² K/W
SD	>75 m
EAN	5905167847060

NEW!

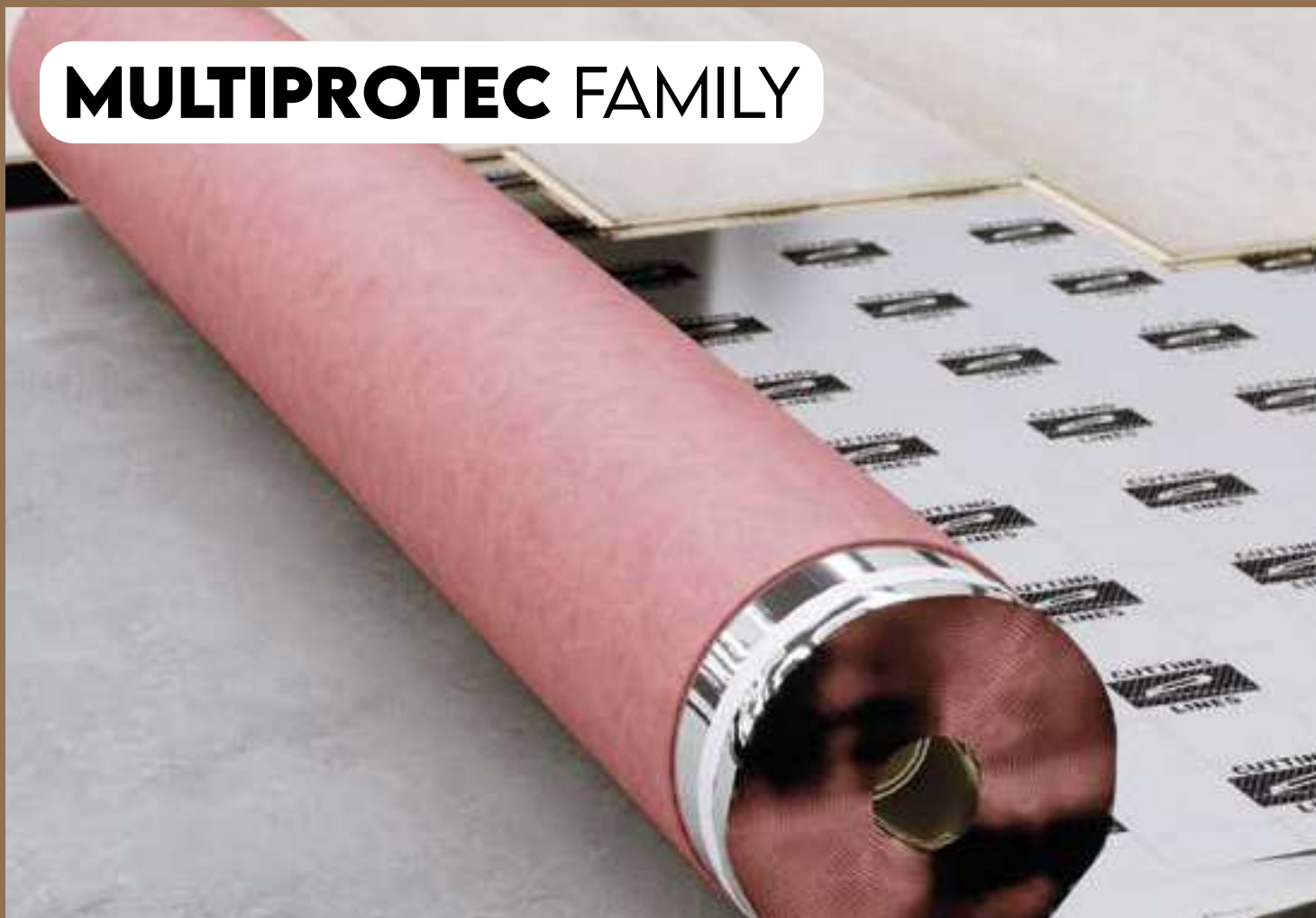
M-BASE DUO



MATERIAL	PUM
THICKNESS	2 mm
FORM	ROLL / 8 m ²

PC	CLASS PC2 (<1,3 mm)
CS	CLASS CS3 (<300 kPa)
CC	CLASS CC3 (50 kPa)
DL	CLASS DL3 (>2 500 000 cycles)
RLB	CLASS RLB2 (≤1000 mm)
IS	<16 dB
RWS	66 sonos
FLOOR HEATING	YES
THERMAL COMFORT	<0,01 m ² K/W
SD	-
EAN	5905167884072

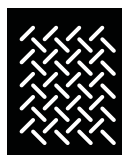
MULTIPROTEC FAMILY



Polyurethane-mineral underlays (PUM)
- the highest **STANDARD OF UNDERLAYS**
that ensures the best sound-proofing.
Furthermore a very high **STATIC AND DYNAMIC PRESSURE** resistance ensures floor protection and durability. Low thermal resistance ensures optimal compatibility with underfloor heating systems.

Multiprotec Acoustic is dedicated for the people who strongly value acoustic comfort. Thanks to its advanced technology Multiprotec Acoustic reduces sound penetration by up to 100 times. We are constantly developing our products to be market leader. That is why our laboratory develops the PUM underlay without compromise.

Multiprotec Absolute ensures highest acoustic parameters among PUM underlays.



FLEECE

Faster and more convenient installation thanks to better grip to subfloor



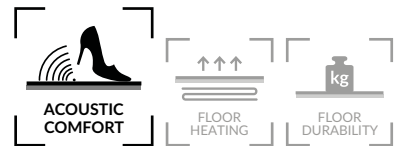


3IN1

- UNDERLAY
- FOIL
- TAPE




MULTIPROTEC ACOUSTIC 3in1

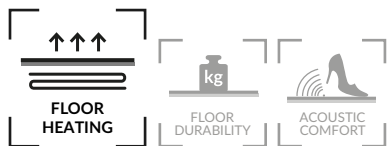


MATERIAL	PUM+PET
THICKNESS	2,0 mm
FORM	ROLL / 8 m²

PC	CLASS PC2 (<1,6 mm)
CS	CLASS CS3 (<250 kPa)
CC	CLASS CC3 (50 kPa)
DL	CLASS DL3 (>2 500 000 cycles)
RLB	CLASS RLB2 (≤1000 mm)
IS	<20 dB
RWS	66 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,01 m²K/W
SD	>150 m
EAN	5905167816851

MULTIPROTEC 1000 3in1





MATERIAL	PUM+PET
THICKNESS	1,5 mm
FORM	ROLL / 8 m²

PC	CLASS PC2 (<1,2 mm)
CS	CLASS CS3 (<310 kPa)
CC	CLASS CC3 (50 kPa)
DL	CLASS DL3 (>2 500 000 cycles)
RLB	CLASS RLB2 (≤1000 mm)
IS	<16 dB
RWS	72 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,006 m²K/W
SD	>150 m
EAN	5905167816844

MULTIPROTEC ABSOLUTE 3in1



MATERIAL	PUM+PET
THICKNESS	3,0 mm
FORM	ROLL / 5 m²

PC	CLASS PC3 (<2,3 mm)
CS	CLASS CS2 (<100 kPa)
CC	CLASS CC3 (50 kPa)
DL	CLASS DL3 (>2 500 000 cycles)
RLB	CLASS RLB2 (≤1000 mm)
IS	<21 dB
RWS	64 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,01 m²K/W
SD	>150 m
EAN	5905167816868

OPTIMA FAMILY

NOW
CS 90 kPa



OPTIMAL CHOICE

Underlays from Optima line enhance acoustic comfort - reduce noise, and thanks to low thermal resistance are the ideal solution for underfloor heating.

Dedicated product for underfloor heating is **Optima Thermo Aquastop**. This product has very low thermal resistance value. In this product family we also have 3in1 products like **Optima Aquastop** which combines underlay, damp proof membrane with overlap of foil and adhesive tape. Thanks to this you can easily place and join pieces of underlay and create solid moisture barrier.

OPTIMA FAMILY
NOW WITH INCREASED
CS PARAMETER **90 kPa**

Underlays from Optima Family offer high quality parameters with attractive pricing.

> Acoustic comfort

- good solution in both muffing reflected and transferred sound.

> Ideal for underfloor heating

thanks to low thermal resistance.

> Quick installation

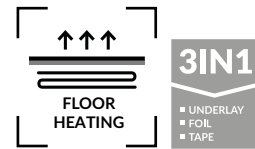
- easy to unfold roll with integrated AQUASTOP damp proof membrane with overlap and tape.

> Durable and light thanks

to high density polyethylene.

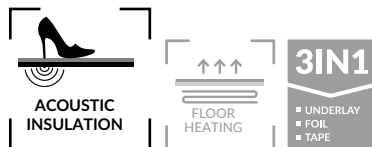


OPTIMA THERMO AQUASTOP



MATERIAL	PEHD+PET
THICKNESS	1,5 mm
FORM	ROLL / 10 m ²

PC	CLASS PC2 (<1,2 mm)
CS	CLASS CS2 (<90 kPa)
CC	-
DL	CLASS DL2 (>100 000 cycles)
RLB	CLASS RLB3 (≤1300 mm)
IS	<18 dB
RWS	79 sonos
FLOOR HEATING	YES
THERMAL COMFORT	<0,03 m ² K/W
SD	>150 m
EAN	5905167881811



MATERIAL	PEHD+PET
THICKNESS	2,0 mm
FORM	ROLL / 10 m ²

PC	CLASS PC2 (<1,3 mm)
CS	CLASS CS2 (<90 kPa)
CC	-
DL	CLASS DL2 (>100 000 cycles)
RLB	CLASS RLB3 (≤1500 mm)
IS	<19 dB
RWS	77 sonos
FLOOR HEATING	YES
THERMAL COMFORT	<0,04 m ² K/W
SD	>150 m
EAN	5905167881804

OPTIMA AQUASTOP



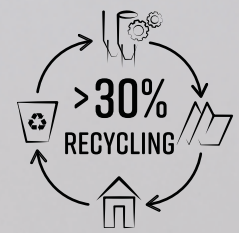
MATERIAL	PEHD
THICKNESS	2,0 mm
FORM	ROLL / 10 m ²

PC	CLASS PC2 (<1,3 mm)
CS	CLASS CS2 (<90 kPa)
CC	-
DL	CLASS DL2 (>100 000 cycles)
RLB	CLASS RLB3 (≤1500 mm)
IS	<19 dB
RWS	77 sonos
FLOOR HEATING	YES
THERMAL COMFORT	<0,04 m ² K/W
SD	-
EAN	5905167881798

OPTIMA MAX



SECURA SMART FAMILY



www.blauer-engel.de/uz156

Underlays from this family thanks to their properties are great solutions for compensating small surface irregularities. Secura Family is also the best choice when it comes to sound absorption and reduction of sound transferred to closest areas. They are highly recommended for thermal insulation and for installation when durability of the floor is a must.

OVERLAP

Perfect solution for creating solid vapour barrier.

SMART INSTALLATION

3in1 underlay: Underlay has a film and stable connection.

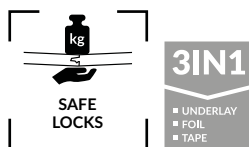


EASY MERCHANDISING for DIY

Easy logistics, easy to manage in the store, easy for consumer to choose.



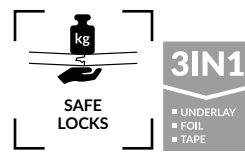
SECURA EXTRA AQUASTOP SMART



MATERIAL	XPS+PET
THICKNESS	3,0 mm
FORM	SMART / 6 m ²

PC	CLASS PC3 (<2,6 mm)
CS	CLASS CS2 (<90 kPa)
CC	CLASS CC2 (<30 kPa)
DL	CLASS DL3 (>500 000 cycles)
RLB	CLASS RLB3 (≤1600 mm)
IS	<21 dB
RWS	79 sonos
FLOOR HEATING	-
THERMAL COMFORT	<0,11 m ² K/W
SD	>150 m
EAN	5905167807262

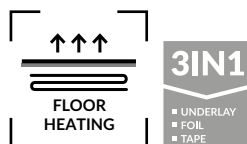
SECURA AQUASTOP SMART



MATERIAL	XPS+PET
THICKNESS	2,2 mm
FORM	SMART / 6 m ²

PC	CLASS PC2 (<1,8 mm)
CS	CLASS CS2 (<90 kPa)
CC	CLASS CC2 (<30 kPa)
DL	CLASS DL3 (>500 000 cycles)
RLB	CLASS RLB3 (≤1500 mm)
IS	<20 dB
RWS	77 sonos
FLOOR HEATING	-
THERMAL COMFORT	<0,08 m ² K/W
SD	>150 m
EAN	5905167807842

SECURA THERMO AQUASTOP SMART



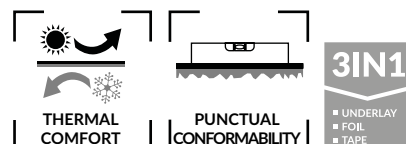
MATERIAL	XPS+PET
THICKNESS	1,6 mm
FORM	SMART / 6 m ²

PC	CLASS PC2 (<1,2 mm)
CS	CLASS CS2 (<90 kPa)
CC	CLASS CC2 (<30 kPa)
DL	CLASS DL3 (>500 000 cycles)
RLB	CLASS RLB2 (≤1200 mm)
IS	<19 dB
RWS	77 sonos
FLOOR HEATING	YES
THERMAL COMFORT	<0,05 m ² K/W
SD	>75 m
EAN	5905167826942

SECURA MAX AQUASTOP SMART



10 dB ΔLin
21 dB



MATERIAL	XPS+PET
THICKNESS	5,0 mm
FORM	SMART / 5,5 m ²

PC	CLASS PC3 (<4,6 mm)
CS	CLASS CS2 (<90 kPa)
CC	CLASS CC2 (<25 kPa)
DL	CLASS DL3 (>500 000 cycles)
RLB	CLASS RLB3 (≤1600 mm)
IS	<22 dB
RWS	81 sonos
FLOOR HEATING	-
THERMAL COMFORT	<0,18 m ² K/W
SD	>150 m
EAN	5905167734728

SECURA ROLLS FAMILY



We have introduced FLEX TECHNOLOGY to our newest XPS underlays

FLEX TECHNOLOGY prevents XPS underlays from cracking and improves comfort of installation. Advanced flexibility modifiers allow effortless unfolding and seamless installation. Now our whole range of rolls in 2 mm and 1,6 mm thickness has benefited from FLEX Technology and offers improved quality of installation this products. XPS underlays with 1,6 mm thickness are perfect solution for well-prepared substrate.

> Acoustic comfort

- good solution for transferred sound.

> Quick installation

- easy to unfold roll with integrated AQUASTOP damp proof membrane with overlap and tape.

SECURA FLEX
AQUASTOP



MATERIAL	XPS+PET
THICKNESS	2,0 mm
FORM	ROLL / 15 m ²

PC	CLASS PC2 (<1,6 mm)
CS	CLASS CS2 (<60 kPa)
CC	CLASS CC2 (<25 kPa)
DL	CLASS DL3 (>250 000 cycles)
RLB	CLASS RLB3 (≤1300 mm)
IS	<20 dB
RWS	83 sones
FLOOR HEATING	-
THERMAL COMFORT	<0,074 m ² K/W
SD	>150 m
EAN	5905167826690

SECURA FLEX LIGHT AQUASTOP



MATERIAL	XPS+PET
THICKNESS	1,6 mm
FORM	ROLL / 10 m ²

PC	CLASS PC2 (<1,1 mm)
CS	CLASS CS2 (<60 kPa)
CC	CLASS CC2 (<25 kPa)
DL	CLASS DL3 (>250 000 cycles)
RLB	CLASS RLB3 (≤1200 mm)
IS	<19 dB
RWS	83 sonos
FLOOR HEATING	YES
THERMAL COMFORT	<0,05 m ² K/W
SD	>75 m
EAN	5905167826706

SECURA FLEX



MATERIAL	XPS
THICKNESS	2,0 mm
FORM	ROLL / 16,5 m ²

PC	CLASS PC2 (<1,6 mm)
CS	CLASS CS2 (<60 kPa)
CC	CLASS CC2 (<25 kPa)
DL	CLASS DL3 (>250 000 cycles)
RLB	CLASS RLB3 (≤1300 mm)
IS	<20 dB
RWS	83 sonos
FLOOR HEATING	-
THERMAL COMFORT	<0,074 m ² K/W
SD	-
EAN	5905167826713

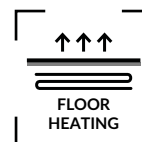
SECURA FLEX LIGHT



MATERIAL	XPS
THICKNESS	1,6 mm
FORM	ROLL / 20 m ²

PC	CLASS PC2 (<1,1 mm)
CS	CLASS CS2 (<60 kPa)
CC	CLASS CC2 (<25 kPa)
DL	CLASS DL3 (>250 000 cycles)
RLB	CLASS RLB3 (≤1200 mm)
IS	<19 dB
RWS	81 sonos
FLOOR HEATING	YES
THERMAL COMFORT	<0,05 m ² K/W
SD	-
EAN	5905167826720

SECURA THERMO



MATERIAL	XPS
THICKNESS	1,6 mm
FORM	ROLL / 16,5 m ²

PC	CLASS PC2 (<1,2 mm)
CS	CLASS CS2 (<90 kPa)
CC	CLASS CC2 (<25 kPa)
DL	CLASS DL3 (>250 000 cycles)
RLB	CLASS RLB3 (≤1300 mm)
IS	<19 dB
RWS	81 sonos
FLOOR HEATING	YES
THERMAL COMFORT	<0,05 m ² K/W
SD	-
EAN	5905167748886

VINYL FLOORS

LVT + RIGID = VINYL CLICK

In many languages the category of floors defined by MMFA as class 2 (Polymer RIGID and Polymer LVT Click) is called using the word "VINYL".

In English we say
"VINYL CLICK FLOORING"
in German: "VINYLBODEN",
in Czech "VINYLOVA PODLAHA",
in Polish "PANELE WINYLOWE"
and in Spanish "SUELOS VINILICOS".
That's why we decided to change
the name of our products,
from "LVT" to "Vinyl Click".

**Vinyl floors installed in click system
require an underlay to absorb
small surface irregularities
of the substrate.**

**Underlay protects locks
and diminishes the sound
hole effect.**

- > Increased durability and stability of lock connections
- > Absorbing punctual irregularities and protecting from damages
- > Fast and easy floor fitting

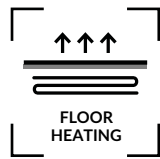




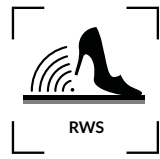
CHOOSE ADEQUATE UNDERLAY FOR YOUR VINYL FLOOR (LVT & RIGID)



FLOOR DURABILITY
According to MMFA, the minimum value of the static load parameter should be CS >200 kPa, but the recommended value is CS >400 kPa.



FLOOR HEATING
For the most efficient floor heating, you should use an underlay with the lowest thermal resistance parameter R. MMFA recommends R <0,15 m²K/W for floor system.



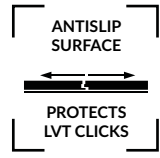
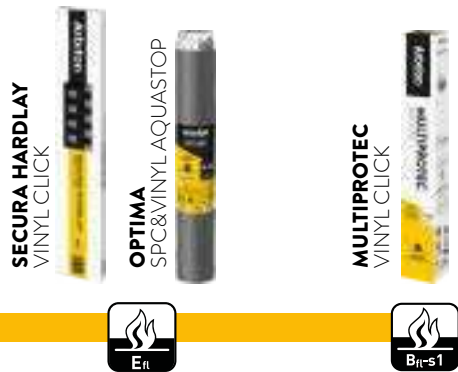
WALKING SOUND REDUCTION
Walking sound is understood as the noise that is spread across the room while interacting with floor covering (e.g. when walking over it, playing on it, etc.). This noise is measured in SONES. A 1 kHz tone at 40 dB corresponds to 1 sone. Loudness is a linear measure, twice as high result in sones will correlates to twice as high perceived noise. The lower the RWS value, the better the underlayment will reduce the emission of walking noise.



SONES



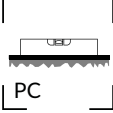
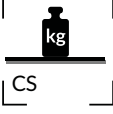
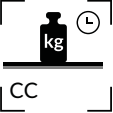
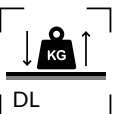



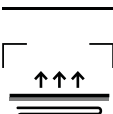

FIRE RESISTANCE
Use an underlay with proper fire resistance to make sure it complies with building fire-safety requirements.



ANTISLIP
Choose an underlay with or without an antislip surface depending on the requirements of the floor producer.



OVERVIEW OF REQUIREMENTS FOR UNDERLAY

		Requirement	KPI	Description	Benefits for users	Minimum value	Recommend value
EN16354 NORM GUIDELINES	FLOOR DURABILITY	PUNCTUAL CONFORMABILITY	 PC	Smoothing small local defects of the subfloor or small particles laying on the subfloor	Preventing from cracking and clicking noise from sound bridges	$\geq 0,5 \text{ mm}$	
		COMPRESSIVE STRENGTH	 CS	Compressive strenght at deformation	Protection of locking system and against cracking	$\geq 200 \text{ kPa}$	$\geq 400 \text{ kPa}$
		COMPRESSIVE CREEP RESISTANCE	 CC	Sustained static load	The higher value allow placed heavier furniture on the flooring system	$\geq 10 \text{ kPa}$	$\geq 35 \text{ kPa}$
		DYNAMIC LOAD	 DL	Resistance of the underlay against long-term dynamic load	Resistance to intensive usage	$\geq 10\,000$ cycles	$\geq 100\,000$ cycles
	ACOUSTIC COMFORT	IMPACT SOUND REDUCTION	 IS	Transferred sound reduction	Sounds transferred to area below are muffled	$\geq 10 \text{ dB}$	$\geq 18 \text{ dB}$
		RADIATED WALKING SOUND	 RWS	Reflected walking sound emitted	Reduction of noises reflected from the floor f.e. steps	< 110 sones	the lower value in sones the quieter flooring system
	THERMAL COMFORT	THERMAL BARRIER		Heat insulation*	Reduction of hot or cold transmission through the oor covering	$\geq 0,075 \text{ m}^2\text{K/W}$	
	FLOOR HEATING	THERMAL RESISTANCE		Usefulness for coverings with underfloor heating (H) or cooling (C)**	Less time required for heating up/cooling off; energy savings	H: $\leq 0,15$ C: $\leq 0,15 \text{ m}^2\text{K/W}$	0,15 cooling
	SUBSTRATE STRUCTURE	WATER VAPOUR RESISTANCE	 SD	Protection against residual moisture in substrate	Avoiding damp related damages	$\geq 75 \text{ m}$	

*EN16354 norm - MMFA requirements for underlay group 2 (e.g. under floor coverings mmfa class 2 and 3 without hdf core)

**Tested with the entire system - floor + underlay

M-BASE VINYL FAMILY



OVER **94%**
NATURAL
COMPONENTS



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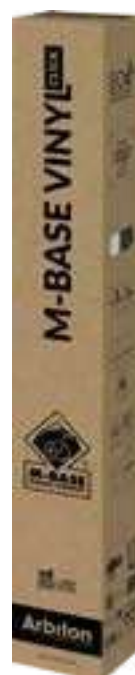
M-BASE Vinyl Click is a specialized underlay designed for vinyl panels with a click installation system.

Made from a mineral base, it provides excellent protection for panel joints against static and dynamic loads.

With an ultra-low thermal resistance (**0,004 m²K/W**), it is perfect for underfloor heating systems, ensuring efficient heat transfer.

Additionally, **M-BASE Vinyl Click** offers high acoustic insulation, reducing reflected noise to 62 sones and impact noise by 17 dB, significantly enhancing the comfort of your flooring.

M-BASE
VINYL CLICK



MATERIAL	PUM+PET
THICKNESS	1,3 mm
FORM	ROLL / 9 m²

PC	CLASS PC2 (<1,0 mm)
CS	CLASS CS3 (<550 kPa)
CC	CLASS CC3 (70 kPa)
DL	CLASS DL3 (>3 000 000 cycles)
RLB	CLASS RLB2 (≤1100 mm)
IS	<17 dB
RWS	62 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,004 m²K/W
SD	>75 m
EAN	5905167852750

OPTIMA VINYL FAMILY



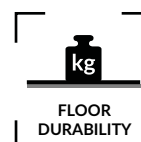
OPTIMA SPC&VINYL Aquastop is the first PEHD underlay in a roll format designed specifically for vinyl panels with a click installation system.

With a compressive strength of **400 kPa**, it guarantees exceptional durability and stability for the floor. Its advanced construction also offers excellent acoustic properties, significantly enhancing walking comfort and reducing noise.

Thanks to its innovative design, **OPTIMA SPC&VINYL Aquastop** is easy to install and ideal for demanding applications, including use with underfloor heating systems. It sets a new standard in underlay performance and practicality.

OPTIMA
SPC&VINYL AQUASTOP

NEW!



MATERIAL	PEHD+PET
THICKNESS	1,0 mm
FORM	ROLL / 12,5 m ²

PC	CLASS PC1 (<0,6 mm)
CS	CLASS CS3 (<400 kPa)
CC	-
DL	CLASS DL2 (>100 000 cycles)
RLB	CLASS RLB3 (≤1300 mm)
IS	<18 dB
RWS	63 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,025 m ² K/W
SD	>150 m
EAN	5905167881767

MULTIPROTEC VINYL FAMILY



SPECIAL NEEDS REQUIRE SPECIAL SOLUTIONS.

For areas with high level of traffic installed floor with click system require underlay with high value of compressive strength.

This is exactly what you can expect from our products. If underfloor heating system will be used, do not worry, you are covered - our products also performs well with underfloor heating thanks to low value of thermal resistance.

**MULTIPROTEC VINYL CLICK SUPER HARDLAY
MAX 8 MM WITHOUT FILLING JOINTS**



> Fire resistance
class Bfl-s1



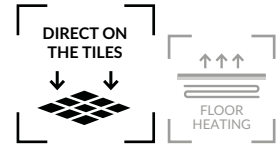
> Ideal solution for underfloor heating
- lowest thermal resistance



> Highest CS value
- perfect for areas with high traffic level



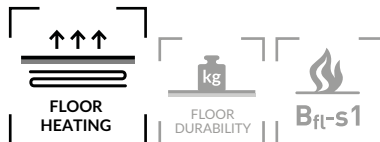
MULTIPROTEC VINYL CLICK SUPER HARDLAY



MATERIAL	PUM+PET
THICKNESS	1,1 mm
FORM	ROLL / 9 m ²

PC	CLASS PC1 (<0,6 mm)
CS	CLASS CS3 (<700 kPa)
CC	CLASS CC3 (<100 kPa)
DL	CLASS DL3 (>3 500 000 cycles)
RLB	CLASS RLB2 (≤1100 mm)
IS	<14 dB
RWS	62 sonos
FLOOR HEATING	YES
THERMAL COMFORT	<0,004 m ² K/W
SD	>75 m
EAN	5905167846049

MULTIPROTEC VINYL CLIC



MATERIAL	PUM+PET
THICKNESS	1,4 mm
FORM	ROLL / 8,5 m ²

PC	CLASS PC2 (<1,2 mm)
CS	CLASS CS3 (<400 kPa)
CC	CLASS CC3 (<70 kPa)
DL	CLASS DL3 (>3 000 000 cycles)
RLB	CLASS RLB3 (≤1500 mm)
IS	<16 dB
RWS	58 sonos
FLOOR HEATING	YES
THERMAL COMFORT	<0,008 m ² K/W
SD	>75 m
EAN	5905167776339

MULTIPROTEC VINYL CLICK ACOUSTIC



10 dB ΔLin
21 dB



MATERIAL	PUM+PET
THICKNESS	2,2 mm
FORM	ROLL / 7 m ²

PC	CLASS PC2 (<1,7 mm)
CS	CLASS CS3 (<300 kPa)
CC	CLASS CC3 (<50 kPa)
DL	CLASS DL3 (>3 000 000 cycles)
RLB	CLASS RLB2 (≤1100 mm)
IS	<21 dB
RWS	58 sonos
FLOOR HEATING	YES
THERMAL COMFORT	<0,01 m ² K/W
SD	>75 m
EAN	5905167846063

SECURA VINYL FAMILY



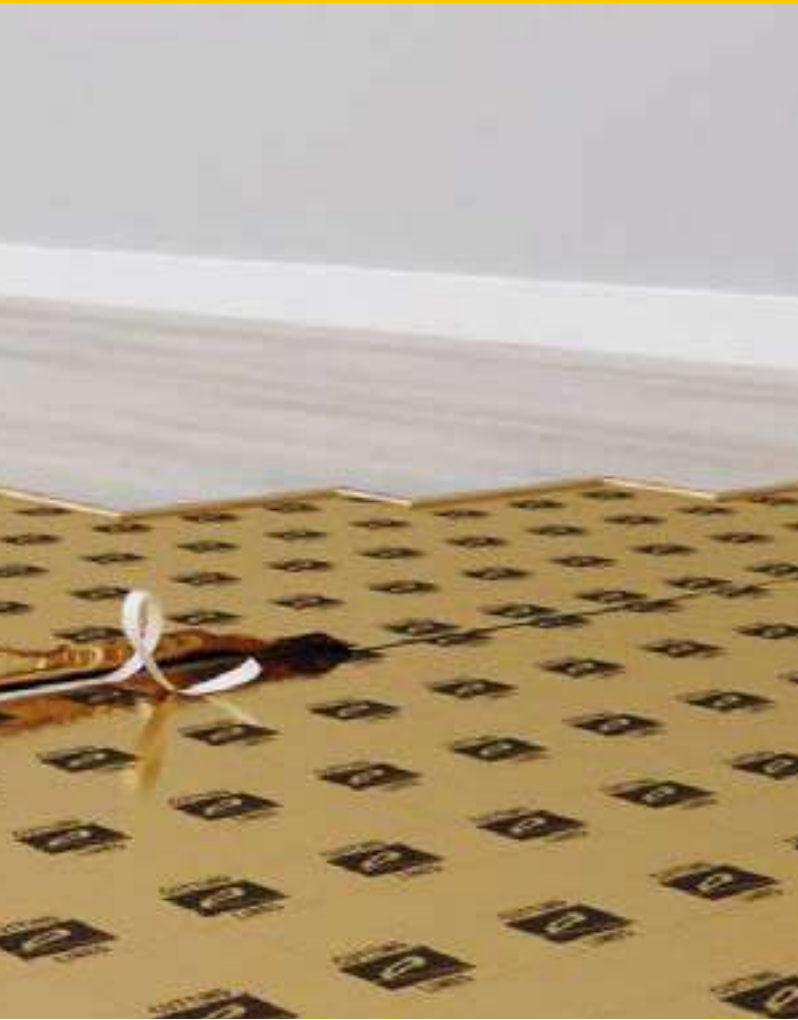
Products dedicated for vinyl floors with click system. Suitable for areas with high traffic level.

High CS value improves quality of the system and increases durability of the floor.

This product line is very easy to install and align thanks to accordion form and cutting lines.

High IS value for this XPS products allows for implementation in commercial areas, where special parameters are required.

Whatever your needs we provide you with optimal packaging. Every product from this family is packed 6,25 m² per package.



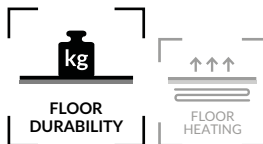
SECURA VINYL CLICK

10 dB ΔL_{in}
21dB



MATERIAL	XPS+PET
THICKNESS	1,5 mm
FORM	SMART / 6,25 m ²

PC	CLASS PC2 (<1,0 mm)
CS	CLASS CS3 (<400 kPa)
CC	CLASS CC2 (<40 kPa)
DL	CLASS DL3 (>1 000 000 cycles)
RLB	CLASS RLB3 (≤1500 mm)
IS	up to 21 dB / 10 dB ΔL_{in}
RWS	60 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,04 m ² K/W
SD	>150 m
EAN	5905167816943



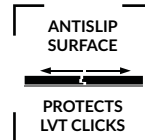
MATERIAL	XPS+PET
THICKNESS	1,0 mm
FORM	SMART / 6,25 m ²

PC	CLASS PC1 (<0,8 mm)
CS	CLASS CS3 (<550 kPa)
CC	CLASS CC2 (<40 kPa)
DL	CLASS DL3 (>1 000 000 cycles)
RLB	CLASS RLB3 (≤1300 mm)
IS	<18 dB
RWS	63 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,03 m ² K/W
SD	>75 m
EAN	5905167873779

SECURA HARDLAY VINYL CLICK



10 dB ΔL_{in}
21dB



MATERIAL	XPS+PET
THICKNESS	1,5 mm
FORM	SMART / 6,25 m ²

PC	CLASS PC2 (<1,0 mm)
CS	CLASS CS3 (<400 kPa)
CC	CLASS CC2 (<40 kPa)
DL	CLASS DL3 (>1 000 000 cycles)
RLB	CLASS RLB3 (≤1500 mm)
IS	up to 21 dB / 10 dB ΔL_{in}
RWS	60 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,04 m ² K/W
SD	>150 m
EAN	5905167816936



SECURA VINYL CLICK ANTISLIP

HEATING FOIL SYSTEMS

Underlays for heating foil systems are designed for efficient heat transfer and flooring protection.

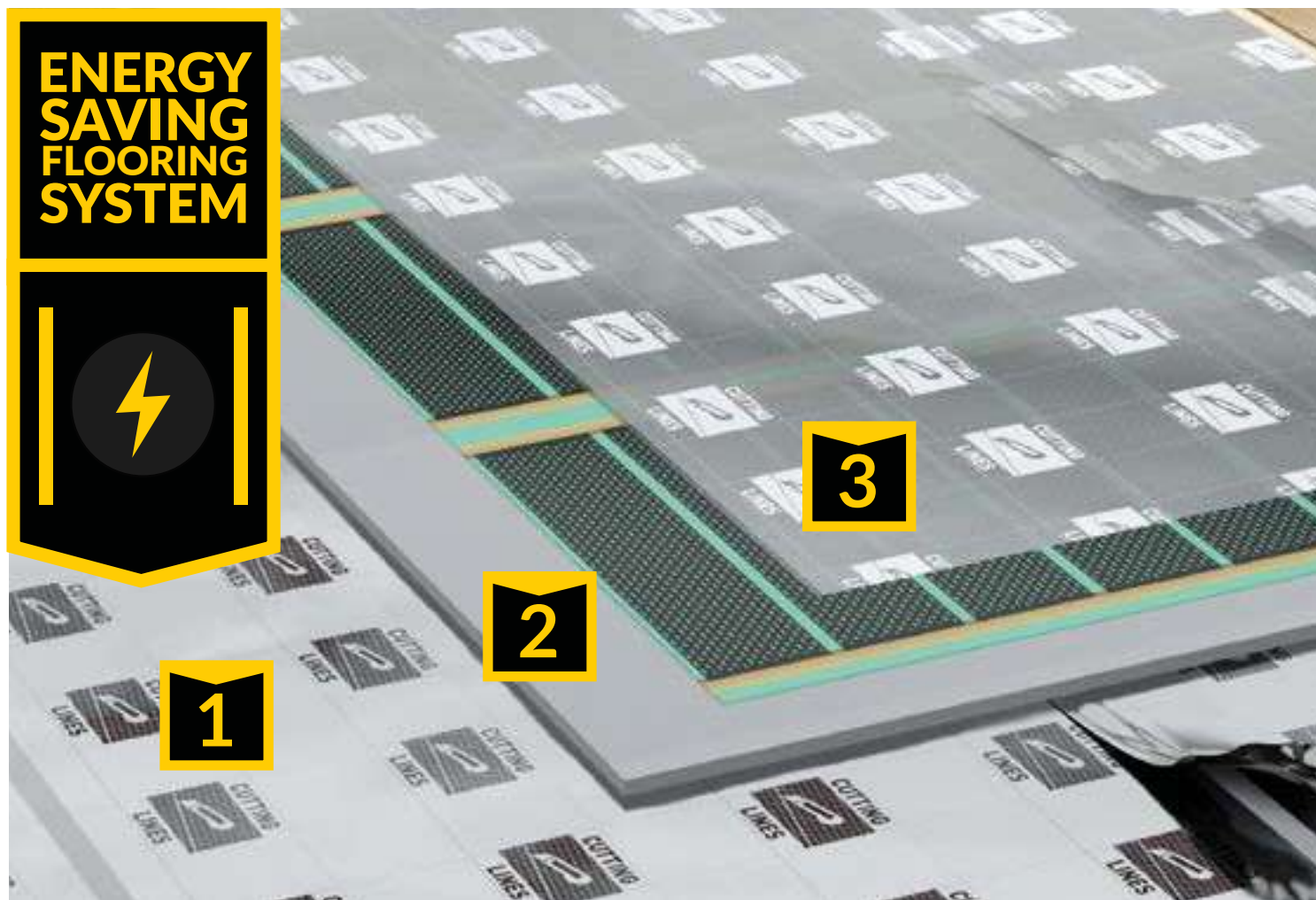
Featuring low thermal resistance, they are ideal for optimizing the performance of underfloor heating systems.

These underlays provide a stable base, enhance comfort, and safeguard both the heating foil and the floor covering, ensuring durability and long-term functionality in any setting.





ENERGY SAVING FLOORING SYSTEM



STEP 1

Vapour barrier foil (SD <150 m) protects against moisture and features a system of adhesive tapes that secure against movement of the underlay.

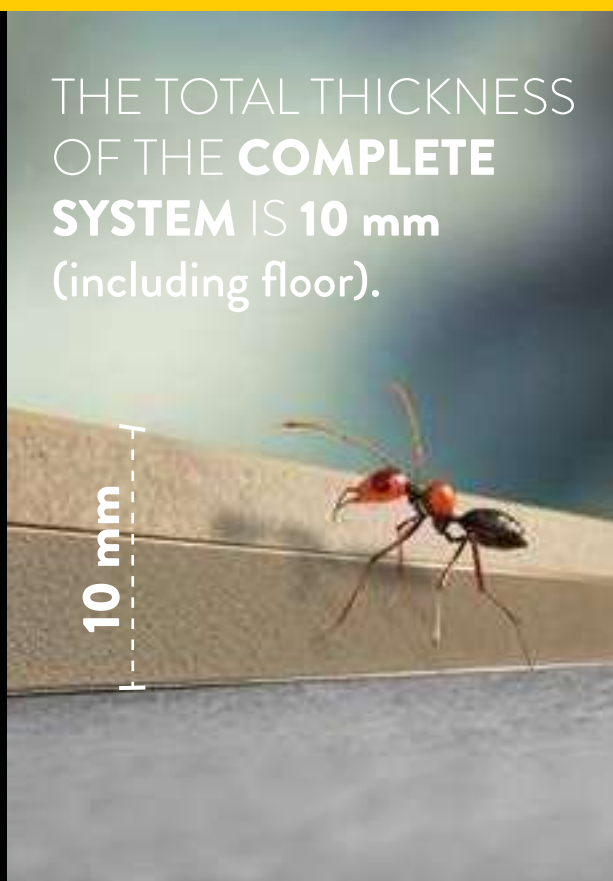
STEP 2

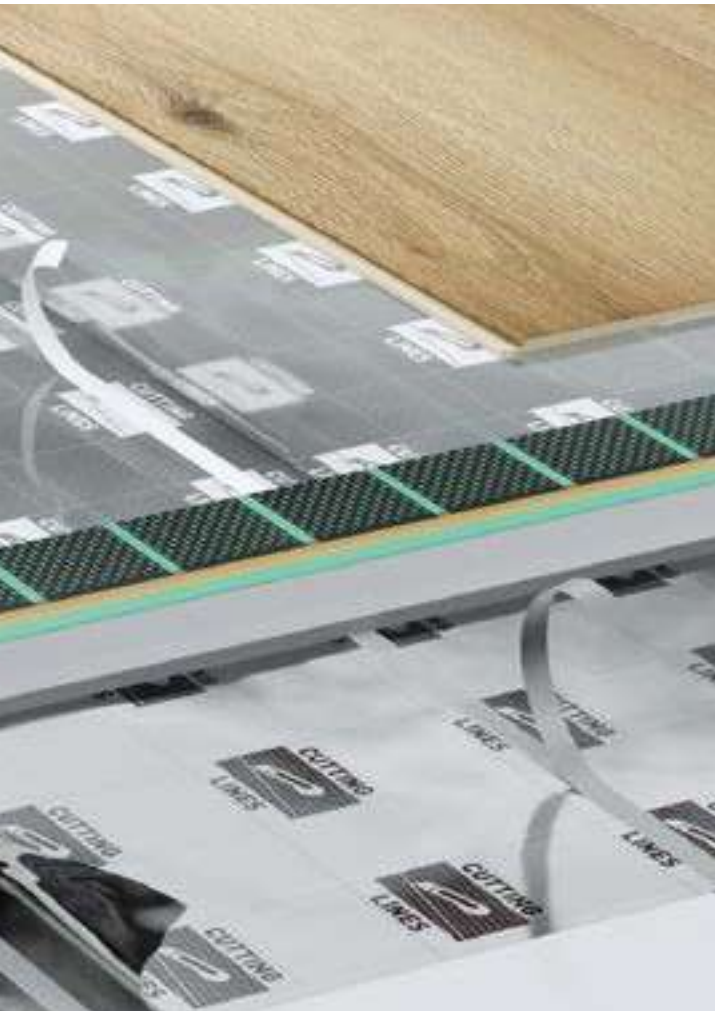
It enhances heating efficiency due to its high thermal insulation parameter; high compressive strength CS=500 kPa allows for the use of click vinyl, and thanks to its 5 mm thickness, it's possible to conceal cables connecting the heating films.

STEP 3

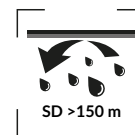
Protects the heating film from mechanical damage thanks to the soft non-woven fabric, additionally secures the system against moisture penetration from above. Easy connection due to the integrated tape.

THE TOTAL THICKNESS
OF THE **COMPLETE
SYSTEM** IS **10 mm**
(including floor).



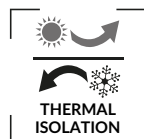


AQUAPROTEC VAPOUR BARRIER



MATERIAL	-
THICKNESS	0,18 mm
FORM	ROLL

SIZE	10 m ²
SD	>150 m
EAN	5905167875223

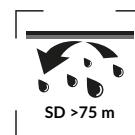


SECURA HEAT VINYL CLIKC



MATERIAL	HDXPS
THICKNESS	5 mm
FORM	PLATE / 5,76 m ²

PC	CLASS PC3
CS	CLASS CS3 (<500 kPa)
CC	CLASS CC2 (<25 kPa)
DL	CLASS DL3 (>500 000 cycles)
RLB	-
IS	<18 dB
RWS	62 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,17 m ² K/W
SD	-
EAN	5905167875216



MATERIAL	-
THICKNESS	0,18 mm
FORM	ROLL

AQUAPROTEC HEAT FILM



SIZE	10 m ²
SD	>75 m
EAN	5905167875230

ACCESSORIES



DAMP PROOF FOIL



A vapour insulation barrier is necessary to meet the guarantee requirements (SD >75 m).

MATERIAL	PEHD
THICKNESS	0,2 mm
FORM	ROLL

SIZE	100 m² (50,0 m x 2,0 m)
SD	>75 m
EAN	5907584870584

DAMP PROOF FOIL



A vapour insulation barrier is necessary to meet the guarantee requirements (SD >75 m).

MATERIAL	PEHD
THICKNESS	0,2 mm
FORM	PACK

SIZE	15 m² (2,0 m x 7,5 m)
SD	>75 m
EAN	5907749007343

Durably and reliably connects vapour insulation barriers, which prevents formation of cracks and penetration of moisture.

MATERIAL	-
THICKNESS	0,05 mm
FORM	ROLL




SIZE	25 m² (25,0 m x 0,05 m)
SD	>75 m
EAN	5905167698778

ALU TAPE













FLOATING FLOOR LAMINATE & NATURAL FLOORS

NEW!

Logistic Parameters	M-BASE SOUND	M-BASE DUO	M-BASE UNI	M-BASE HEAT	MULTIPROTEC ABSOLUTE 3in1
Thickness	2,4 mm	2 mm	2 mm	1,5 mm	3 mm
Material	PUM+PET	PUM	PUM+PET	PUM+PET	PUM+PET
Form	ROLL	ROLL	ROLL	ROLL	ROLL
Size [m] / Package [m²]	6 x 1 / 6	8 x 1 / 8	8 x 1 / 8	8 x 1 / 8	5 x 1 / 5
Dimension of package [mm]	155x155x1060	145x145x1000	155x155x1060	155x155x1060	155x155x1060
Weight of package [kg]	12,22	12,8	13,5	10,3	10,45
	40	40	40	40	40
	240 m²	320 m²	320 m²	320 m²	200 m²
	7 920 m²	10 560 m²	10 560 m²	10 560 m²	6 600 m²
EAN	5905167847060	5905167884072	5905167852743	5905167847053	5905167816868
PROD. NO.	158254000000000916	158254000000002929	158254000000001208	158254000000000915	154231201505000142

Technical Parameters




	PC	CLASS PC2 (1,6 mm)	CLASS PC2 (1,3 mm)	CLASS PC2 (1,4 mm)	CLASS PC2 (1,2 mm)	CLASS PC3 (2,3 mm)
	CS	CLASS CS2 (up to 120 kPa)	CLASS CS3 (up to 300 kPa)	CLASS CS2 (up to 240 kPa)	CLASS CS3 (up to 280 kPa)	CLASS CS2 (up to 100 kPa)
	CC	CLASS CC3 (50 kPa)	CLASS CC3 (50 kPa)	CLASS CC3 (50 kPa)	CLASS CC3 (50 kPa)	CLASS CC3 (50 kPa)
	DL	CLASS DL3 (>2 500 000 cycles)	CLASS DL3 (>2 500 000 cycles)	CLASS DL3 (>2 500 000 cycles)	CLASS DL3 (>2 500 000 cycles)	CLASS DL3 (>2 500 000 cycles)
	RLB	CLASS RLB2 (≤1000 mm)	CLASS RLB2 (≤1000 mm)	CLASS RLB2 (≤1000 mm)	CLASS RLB2 (≤1000 mm)	CLASS RLB2 (≤1000 mm)
	RWS	up to 66 sones	up to 66 sones	up to 66 sones	up to 72 sones	up to 64 sones
	IS	up to 19 dB	up to 16 dB	up to 18 dB	up to 17 dB	up to 21 dB
	FLOOR HEATING	YES	YES	YES	YES	YES
	THERMAL INSULATION	up to 0,009 m²K/W	up to 0,01 m²K/W	up to 0,007 m²K/W	up to 0,004 m²K/W	up to 0,01 m²K/W
	SD	>75 m		>75 m	>75 m	>150 m

FLOATING FLOOR LAMINATE & NATURAL FLOORS











MULTIPROTEC ACOUSTIC 3in1	MULTIPROTEC 1000 3in1	OPTIMA AQUASTOP	OPTIMA MAX	OPTIMA THERMO AQUASTOP	Logistic Parameters
2 mm	1,5 mm	2 mm	2 mm	1,5 mm	Thickness
PUM+PET	PUM+PET	PEHD+PET	PEHD	PEHD+PET	Material
ROLL	ROLL	ROLL	ROLL	ROLL	Form
8 x 1 / 8	8 x 1 / 8	10 x 1 / 10	10 x 1 / 10	10 x 1 / 10	Size [m] / Package [m²]
155x155x1060	155x155x1060	150x150x1000	150x150x1000	135x135x1000	Dimension of package [mm]
13,2	12,7	2,43	2	1,83	Weight of package [kg]
40	40	30	30	48	
320 m²	320 m²	300 m² / 600 m²	300 m² / 600 m²	480 m² / 960 m²	
10 560 m²	10 560 m²	19 800 m²	19 800 m²	31 680 m²	
5905167816851	5905167816844	5905167881804	5905167881798	5905167881811	EAN
154231201505000141	154231201505000140	154235184504001001	154235184504001018	154235184504001003	PROD. NO.

Technical Parameters					
CLASS PC2 (1,6 mm)	CLASS PC2 (1,2 mm)	CLASS PC2 (1,3 mm)	CLASS PC2 (1,3 mm)	CLASS PC2 (1,2 mm)	PC
CLASS CS3 (up to 250 kPa)	CLASS CS3 (up to 310 kPa)	CLASS CS2 (up to 90 kPa)	CLASS CS2 (up to 90 kPa)	CLASS CS2 (up to 90 kPa)	CS
CLASS CC3 (50 kPa)	CLASS CC3 (50 kPa)				CC
CLASS DL3 (>2 500 000 cycles)	CLASS DL3 (>2 500 000 cycles)	CLASS DL2 (>100 000 cycles)	CLASS DL2 (>100 000 cycles)	CLASS DL2 (>100 000 cycles)	DL
CLASS RLB2 (≤1000 mm)	CLASS RLB2 (≤1000 mm)	CLASS RLB3 (≤1300 mm)	CLASS RLB3 (≤1500 mm)	CLASS RLB3 (≤1300 mm)	RLB
up to 66 sones	up to 72 sones	up to 77 sones	up to 77 sones	up to 79 sones	RWS
up to 20 dB	up to 16 dB	up to 19 dB	up to 19 dB	up to 18 dB	IS
YES	YES	YES	YES	YES	FLOOR HEATING
up to 0,01 m²K/W	up to 0,006 m²K/W	up to 0,04 m²K/W	up to 0,04 m²K/W	up to 0,03 m²K/W	THERMAL INSULATION
>150 m	>150 m	>150 m		>150 m	SD




FLOATING FLOOR LAMINATE & NATURAL FLOORS











Logistic Parameters	SECURA MAX AQUASTOP SMART	SECURA EXTRA AQUASTOP SMART	SECURA AQUASTOP SMART	SECURA THERMO AQUASTOP SMART
Thickness	5 mm	3 mm	2,2 mm	1,6 mm
Material	XPS+PET	XPS+PET	XPS+PET	XPS+PET
Form	SMART	SMART	SMART	SMART
Size [m] / Package [m²]	4,7 x 1,18 / 5,5	5,1 x 1,18 / 6	5,1 x 1,18 / 6	5,1 x 1,18 / 6
Dimension of package [mm]	1182x390x60	1180x255x60	1180x257x44	1180x255x32
Weight of package [kg]	1,03	0,76	0,64	0,64
	32	48	66	84
	176 m² / 352 m²	288 m² / 576 m²	396 m² / 792 m²	504 m² / 1008 m²
	11 264 m²	18 432 m²	25 344 m²	32 256 m²
EAN	5905167734728	5905167807262	5905167807842	5905167826942
PROD. NO.	154235184504000070	1582 54000000000417	154235184504000078	1542312015050000805

Technical Parameters

	PC	CLASS PC3 (4,6 mm)	CLASS PC3 (2,6 mm)	CLASS PC2 (1,3 mm)	CLASS PC2 (1,2 mm)
	CS	CLASS CS2 (up to 90 kPa)	CLASS CS2 (up to 90 kPa)	CLASS CS2 (up to 90 kPa)	CLASS CS2 (up to 90 kPa)
	CC	CLASS CC2 (25 kPa)	CLASS CC2 (30 kPa)	CLASS CC2 (30 kPa)	CLASS CC2 (30 kPa)
	DL	CLASS DL3 (>500 000 cycles)	CLASS DL3 (>500 000 cycles)	CLASS DL3 (>500 000 cycles)	CLASS DL3 (>500 000 cycles)
	RLB	CLASS RLB3 (≤1600 mm)	CLASS RLB3 (≤1600 mm)	CLASS RLB3 (≤1500 mm)	CLASS RLB2 (≤1200 mm)
	RWS	up to 81 sones	up to 79 sones	up to 77 sones	up to 77 sones
	IS	up to 22 dB	up to 21 dB	up to 20 dB	up to 19 dB
	FLOOR HEATING				YES
	THERMAL INSULATION	up to 0,18 m²K/W	up to 0,11 m²K/W	up to 0,08 m²K/W	up to 0,05 m²K/W
	SD	>150 m	>150 m	>150 m	>150 m




FLOATING FLOOR LAMINATE & NATURAL FLOORS

SECURA FLEX AQUASTOP	SECURA FLEX	SECURA FLEX LIGHT AQUASTOP	SECURA FLEX LIGHT	SECURA THERMO	Logistic Parameters
2 mm	2 mm	1,6 mm	1,6 mm	1,6 mm	Thickness
XPS+PET	XPS	XPS+PET	XPS	XPS	Material
ROLL	ROLL	ROLL	ROLL	ROLL	Form
13,64 x 1,1 / 15	15 x 1,1 / 16,5	9,1 x 1,1 / 10	18,2 x 1,1 / 20	15 x 1,1 / 16,5	Size [m] / Package [m²]
230x230x1100	230x230x1100	150x150x1100	150x150x1100	200x200x1100	Dimension of package [mm]
2,01	1,76	1,25	1,92	1,6	Weight of package [kg]
24	24	45	24	24	
360 m² / 720 m²	396 m² / 792 m²	450 m² / 900 m²	480 m² / 960 m²	396 m² / 792 m²	
23 040 m²	25 344 m²	28 800 m²	30 720 m²	25 344 m²	
5905167826690	5905167826713	5905167826706	5905167826720	5905167748886	EAN
154231201505000780	154231201505000782	154231201505000781	154231201505000783	154234133501046019	PROD. NO.











Technical Parameters					
CLASS PC2 (1,6 mm)	CLASS PC2 (1,6 mm)	CLASS PC2 (1,1 mm)	CLASS PC2 (1,1 mm)	CLASS PC2 (1,2 mm)	PC 
CLASS CS2 (up to 60 kPa)	CLASS CS2 (up to 60 kPa)	CLASS CS2 (up to 60 kPa)	CLASS CS2 (up to 60 kPa)	CLASS CS2 (up to 90 kPa)	CS 
CLASS CC2 (25 kPa)	CLASS CC2 (25 kPa)	CLASS CC2 (25 kPa)	CLASS CC2 (25 kPa)	CLASS CC2 (25 kPa)	CC 
CLASS DL3 (>250 000 cycles)	CLASS DL3 (>250 000 cycles)	CLASS DL3 (>250 000 cycles)	CLASS DL3 (>250 000 cycles)	CLASS DL3 (>250 000 cycles)	DL 
CLASS RLB3 (≤1300 mm)	CLASS RLB3 (≤1300 mm)	CLASS RLB3 (≤1200 mm)	CLASS RLB3 (≤1200 mm)	CLASS RLB3 (≤1300 mm)	RLB 
up to 83 sones	up to 83 sones	up to 81 sones	up to 81 sones	up to 81 sones	RWS 
up to 20 dB	up to 20 dB	up to 19 dB	up to 19 dB	up to 19 dB	IS 
YES	YES	YES	YES	YES	FLOOR HEATING 
up to 0,074 m²K/W	up to 0,074 m²K/W	up to 0,05 m²K/W	up to 0,05 m²K/W	up to 0,05 m²K/W	THERMAL INSULATION 
>150 m		>75 m			SD 

VINYL FLOORS

NEW!

Logistic Parameters	M-BASE VINYL CLICK	MULTIPROTEC VINYL CLICK ACOUSTIC	MULTIPROTEC VINYL CLICK	MULTIPROTEC VINYL CLICK SUPER HARDLAY	OPTIMA SPC&VINYL AQUASTOP
Thickness	1,3 mm	2,2 mm	1,4 mm	1,1 mm	1 mm
Material	PUM+PET	PUM+PET	PUM+PET	PUM+PET	PEHD+PET
Form	ROLL	ROLL	ROLL	ROLL	ROLL
Size [m] / Package [m²]	9 x 1 / 9	7 x 1 / 7	8,5 x 1 / 8,5	9 x 1 / 9	12,5 x 1 / 12,5
Dimension of package [mm]	155x155x1060	155x155x1060	155x155x1060	155x155x1060	130x130x1000
Weight of package [kg]	10,1	13,02	12,6	10,6	2,83
	40	40	40	40	54
	360 m²	280 m²	340 m²	360 m²	675 m² / 1350 m²
	11 880 m²	9 240 m²	11 220 m²	11 880 m²	44 550 m²
EAN	5905167852750	5905167846063	5905167776339	5905167846049	5905167881767
PROD. NO.	158254000000001209	154231201505000141	154235184504001011	158254000000000865	158254000000002812

Technical Parameters

	PC	CLASS PC2 (1,0 mm)	CLASS PC2 (1,7 mm)	CLASS PC2 (1,2 mm)	CLASS PC1 (0,6 mm)	CLASS PC1 (0,6 mm)
	CS	CLASS CS3 (up to 550 kPa)	CLASS CS3 (300 kPa)	CLASS CS3 (400 kPa)	CLASS CS3 (700 kPa)	CLASS CS3 (up to 400 kPa)
	CC	CLASS CC3 (70 kPa)	CLASS CC3 (50 kPa)	CLASS CC3 (70 kPa)	CLASS CC3 (100 kPa)	
	DL	CLASS DL3 (>3 000 000 cycles)	CLASS DL3 (>3 000 000 cycles)	CLASS DL3 (>3 000 000 cycles)	CLASS DL3 (>3 500 000 cycles)	CLASS DL2 (>100 000 cycles)
	RLB	CLASS RLB3 (≤1100 mm)	CLASS RLB2 (≤1100 mm)	CLASS RLB3 (≤1500 mm)	CLASS RLB2 (≤1100 mm)	CLASS RLB3 (≤1300 mm)
	RWS	up to 62 sones	up to 58 sones	up to 58 sones	up to 62 sones	up to 63 sones
	IS	up to 17 dB	up to 21 dB	up to 16 dB	up to 14 dB	up to 18 dB
	FLOOR HEATING	YES	YES	YES	YES	YES
	THERMAL INSULATION	up to 0,004 m²K/W	up to 0,01 m²K/W	up to 0,008 m²K/W	up to 0,004 m²K/W	up to 0,025 m²K/W
	SD	>75 m	>75 m	>75 m	>75 m	>150 m

VINYL FLOORS

SECURA HEAT VINYL CLICK	SECURA VINYL CLICK	SECURA VINYL CLICK ANTISLIP	SECURA HARDLAY VINYL CLICK	Logistic Parameters
5 mm	1,5 mm	1,5 mm	1 mm	Thickness
HDXPS	XPS+PET	XPS+PET	XPS+PET	Material
PLATE	SMART	SMART	SMART	Form
1,2 x 0,6 / 5,76	5,3 X 1,18 / 6,25	5,3 X 1,18 / 6,25	5,3 X 1,18 / 6,25	Size [m] / Package [m²]
1200x600x40	1190x270x41	1190x270x41	1200x270x30	Dimension of package [mm]
1,18	1,81	1,88	1,5	Weight of package [kg]
54	63	63	78	
311,04 m²	393,75 m² / 787,5 m²	393,75 m² / 787,5 m²	487,75 m² / 975 m²	
10 264 m²	25 200 m²	25 200 m²	31 200 m²	
5905167875216	5905167816943	5905167816936	5905167873779	EAN
158254000000002487	154231201505000150	154231201505000149	158254000000002443	PROD. NO.

Technical Parameters				
CLASS PC3 (3,0 mm)	CLASS PC2 (1,0 mm)	CLASS PC2 (1,0 mm)	CLASS PC1 (0,8 mm)	PC
CLASS CS3 (500 kPa)	CLASS CS3 (400 kPa)	CLASS CS3 (400 kPa)	CLASS CS3 (550 kPa)	CS
CLASS CC2 (25 kPa)	CLASS CC2 (40 kPa)	CLASS CC2 (40 kPa)	CLASS CC2 (40 kPa)	CC
CLASS DL3 (>500 000 cycles)	CLASS DL3 (>1 000 000 cycles)	CLASS DL3 (>1 000 000 cycles)	CLASS DL3 (>1 000 000 cycles)	DL
	CLASS RLB3 (≤1500 mm)	CLASS RLB3 (≤1500 mm)	CLASS RLB3 (≤1300 mm)	RLB
up to 62 sones	up to 60 sones	up to 60 sones	up to 63 sones	RWS
up to 18 dB	up to 21 dB 10 dB Δ _{lin}	up to 21 dB 10 dB Δ _{lin}	up to 18 dB	IS
YES	YES	YES	YES	FLOOR HEATING
up to 0,17 m²K/W	up to 0,04 m²K/W	up to 0,04 m²K/W	up to 0,03 m²K/W	THERMAL INSULATION
	>150 m	>150 m	>75 m	SD

NOTES

[illegible]

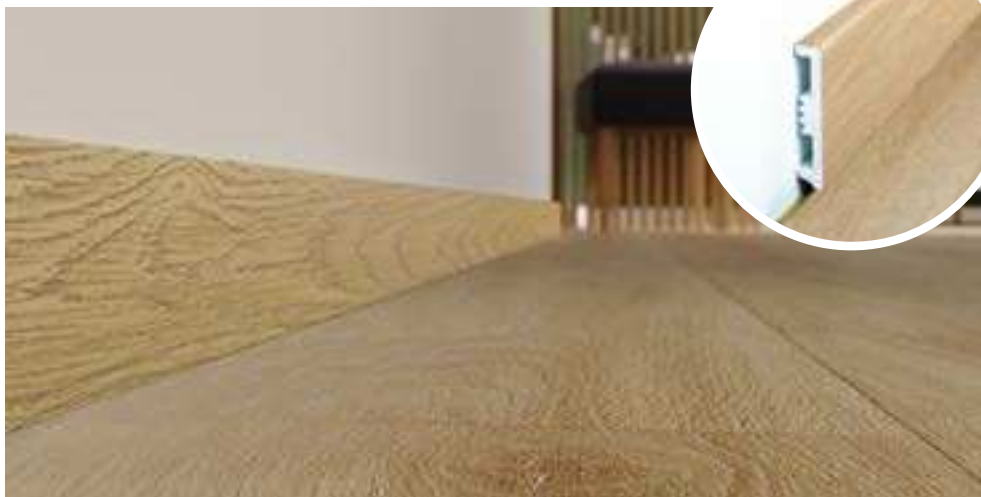
NOTES

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SKIRTING BOARDS

CHECK OUR COMPLEMENTARY PRODUCTS:



FLOOR PROFILES



VINYL FLOORS



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