

Arbiton
FLOOR EXPERT

UNDERLAYS



2026

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 of floor accessories. Our technological development allows us to offer great portfolio of products in various technologies.



UNDERLAYS

The underlays for floor are like a coach - you cannot see him, but he supports the athlete and helps him achieve his full potential.

It works similarly in the world of flooring - a good underlay will make the panels look delightful, while a bad underlay can spoil the whole effect, even if you have the best floor panels on the market.

Why there is such a discrepancy? Why is the underlay so important for panels and what to pay attention to when shopping?

All you need to do is be familiar with a few facts, and soon you will be able to judge it yourself.

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TYPES OF UNDERLAY

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.

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.

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.

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.

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.

ACCORDING TO NORM EN16354



www.blauer-engel.de/uz156

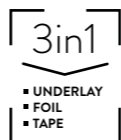
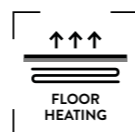


PERFORMANCE

CUSTOMER - CENTRIC APPROACH

ENVIRONMENT

INSTALLATION



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.

An underlay is the key to the durability and performance of the whole flooring system. It is a guarantee of quality and long-lasting results. A well-chosen underlay can extend the floor's lifespan by up to 8 times.

It also improves everyday comfort – it can reduce noise, lower underfloor heating costs, and provide extra insulation from unheated rooms.

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).



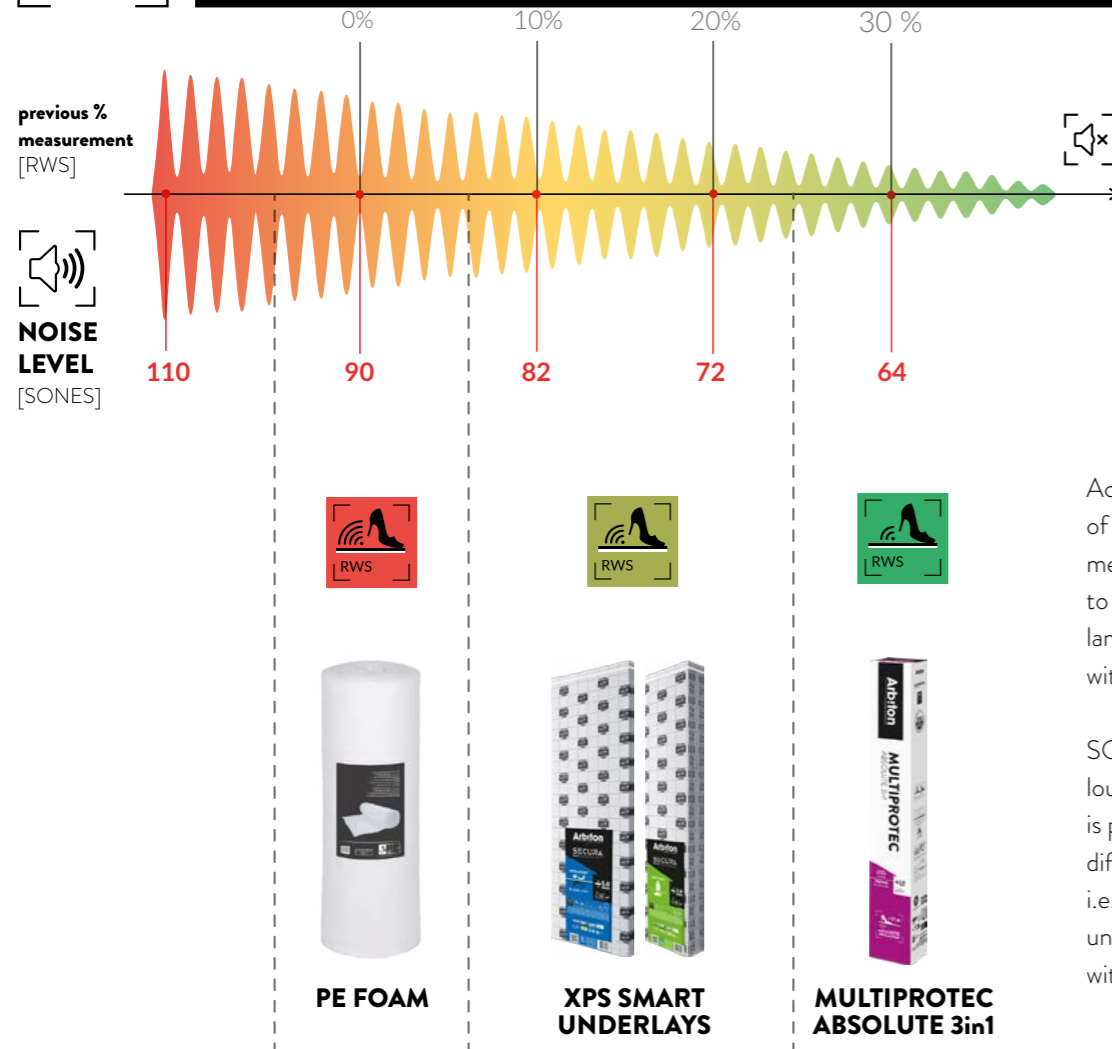
Highest quality of our products comes from many years of research, development and experience as the manufacturer

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.**

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.

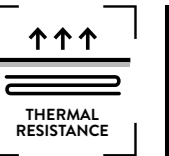


IS (Impact Sound) parameter measures the reduction of sound transmitted to the floor below, providing an objective evaluation of acoustic performance. The IS parameter is expressed in decibels (dB), ensuring a clear and standardized comparison across different flooring systems.

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

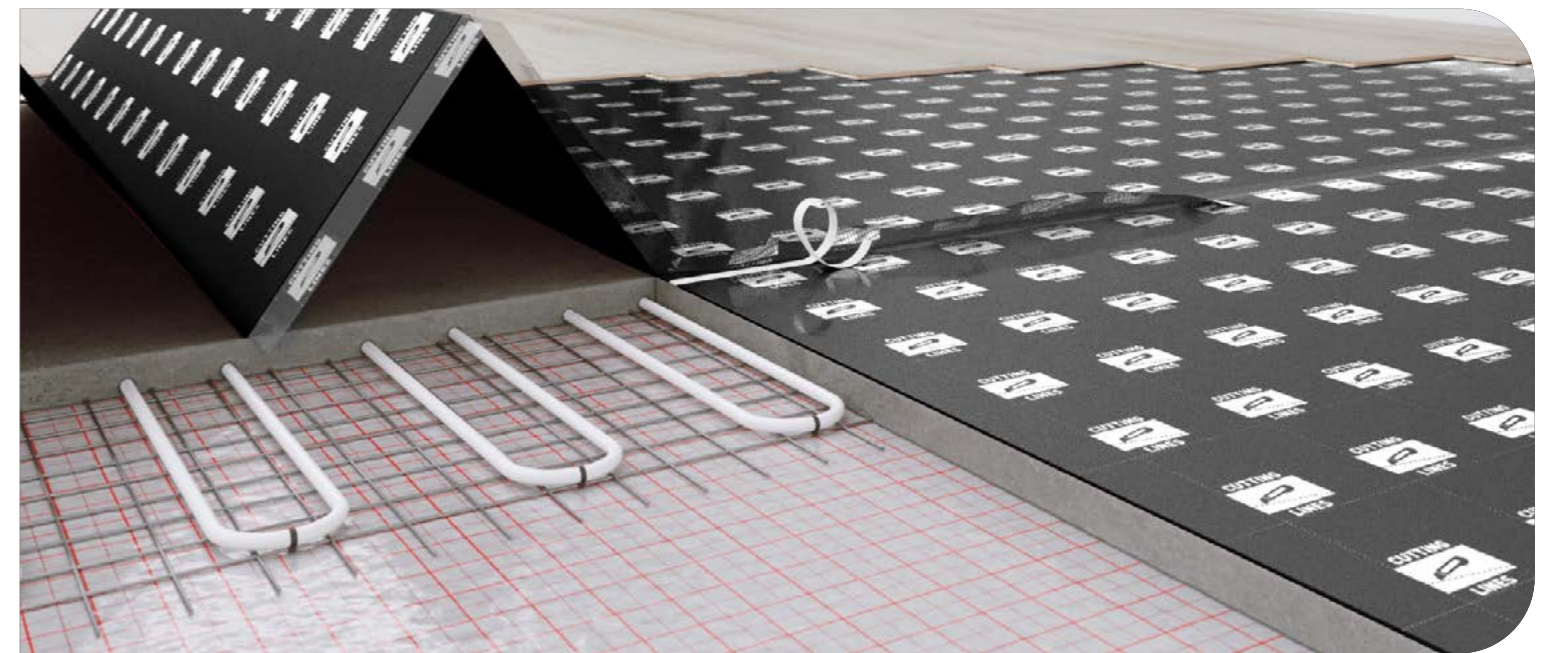
THERMAL COMFORT



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 m^2K/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.



ENVIRONMENT

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.



HOUSE OF NEEDS

FIND THE RIGHT UNDERLAY

IN JUST 3 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

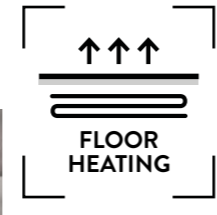


PROTECTS THE FLOOR AND EXTENDS ITS DURABILITY – THE BASIS OF THE WARRANTY

Look for products with the following icons



FLOOR HEATING



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.

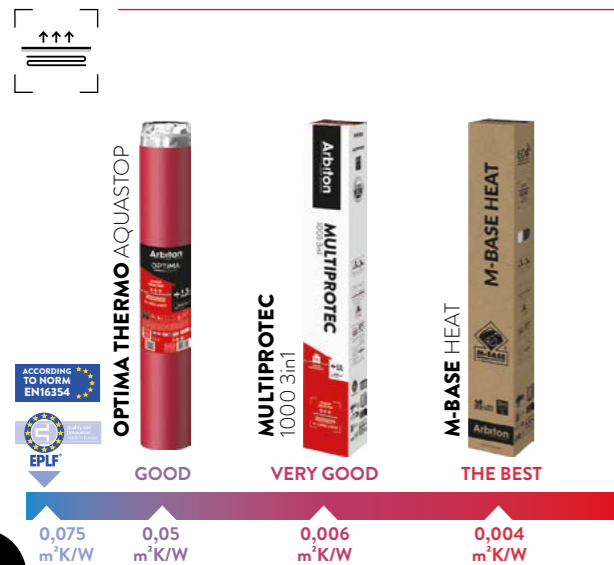
Correctly selected underlay will reduce resistance of the system and allow warm air to pass into the area easier.

The thermal resistance of a flooring system (floor covering + underlay) should not exceed 0,15 m²K/W in accordance with EN16354 and DIN EN1264.

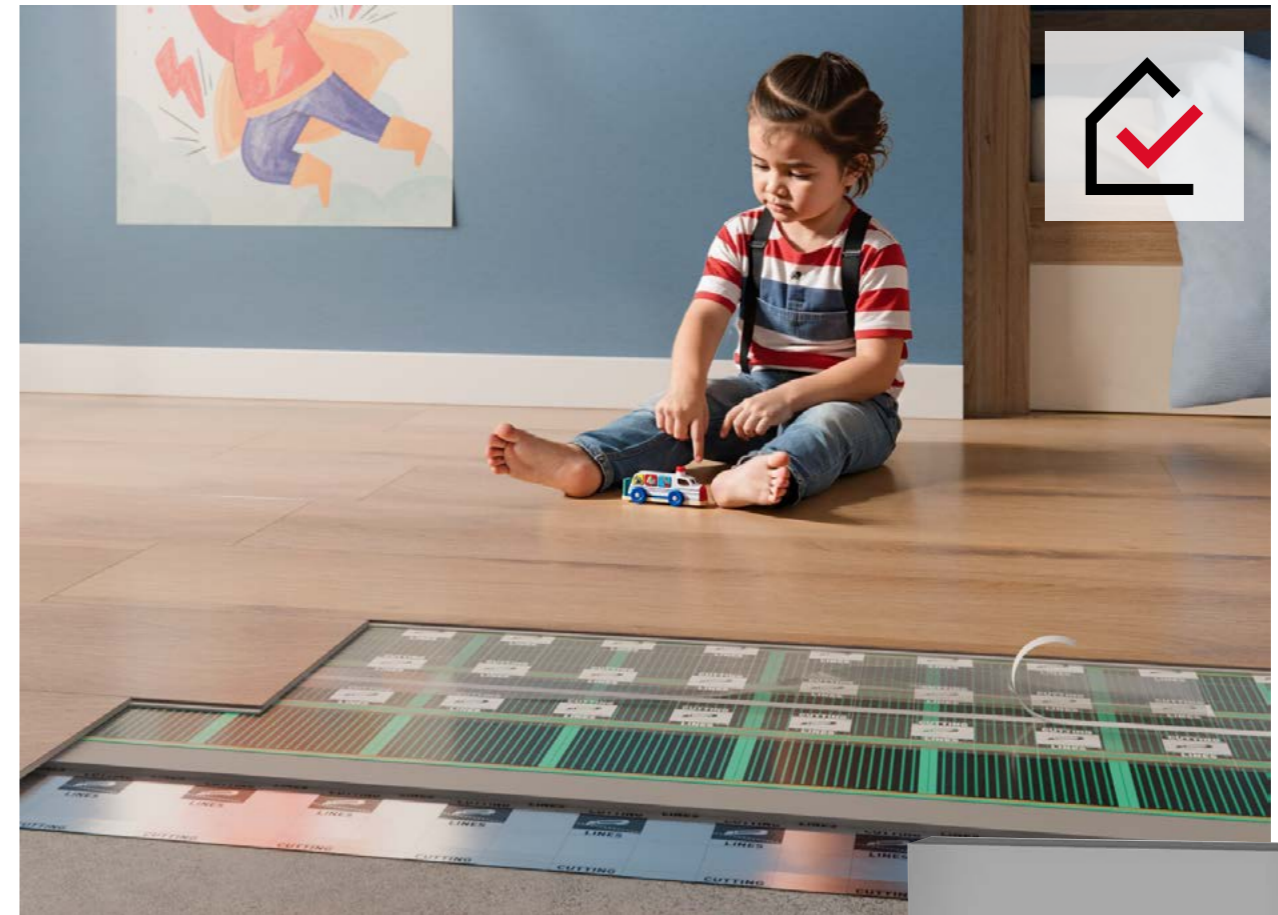
The lower the thermal resistance of the flooring, the higher the efficiency of the underfloor heating. To determine the thermal resistance of a flooring system, simply add the thermal resistance values of the floor covering and the underlay.

For example, laminate flooring of 8 mm thickness has a thermal resistance of ~0,08 m²K/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 m²K/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



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.

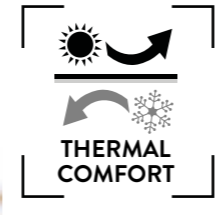
This innovative system integrates two types of protective films, a 5 mm insulating underlay, and mineral-core panels. Together, they create a complete solution that ensures fast and efficient heat distribution due to exceptionally low thermal resistance.

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

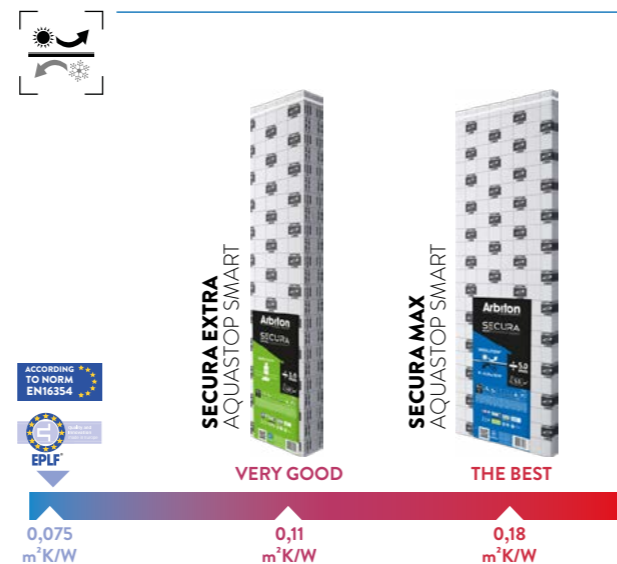


The higher the R value, the better the flooring system will be suited for use on an uninsulated subfloor.

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

In case of installation on uninsulated subfloor 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.



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 seem to be less useful in this area, as it has hardly any effect on noise reduction (90-95 sones, and 10 dB).



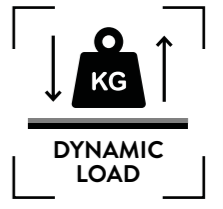
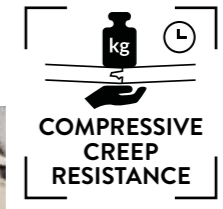
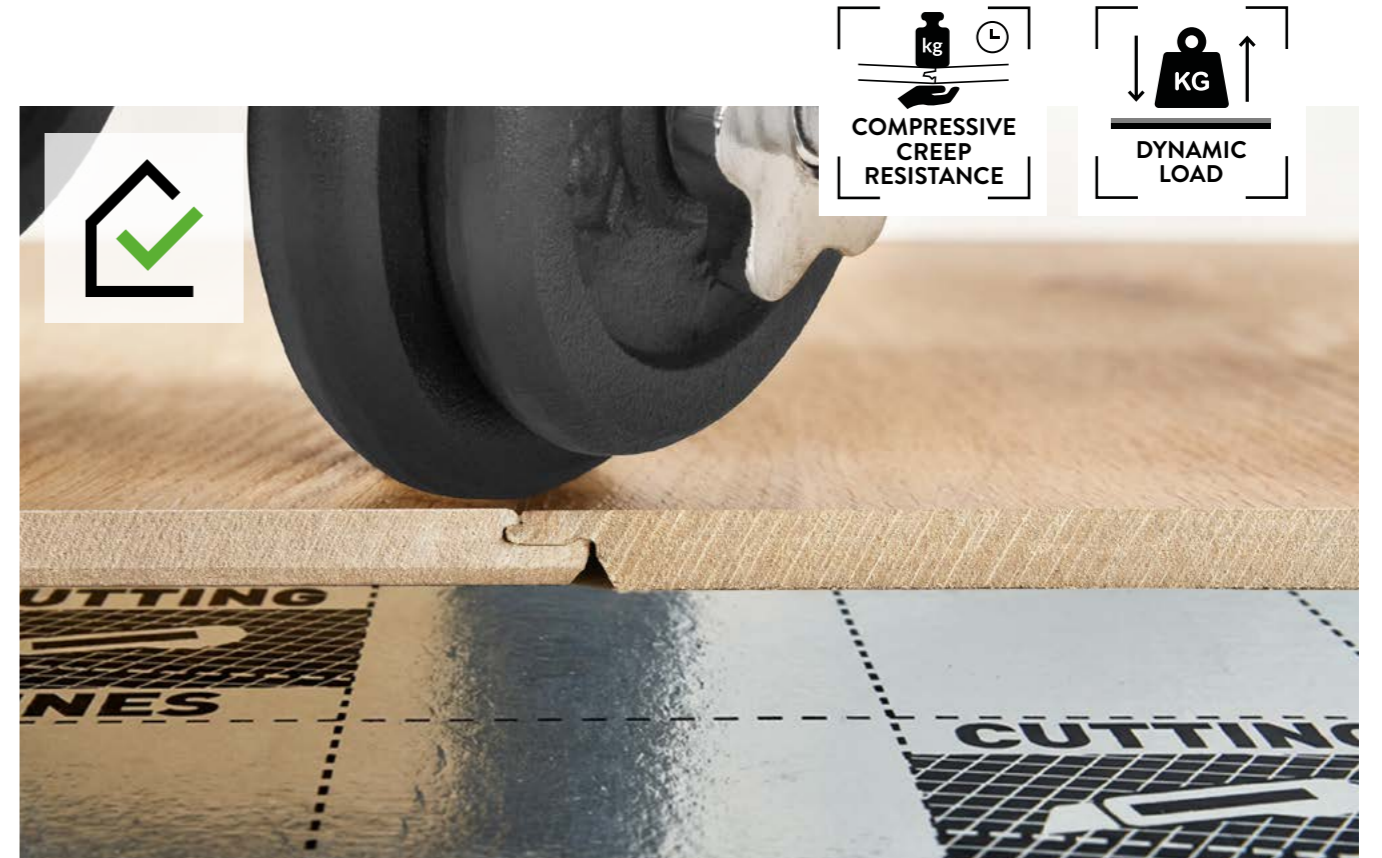
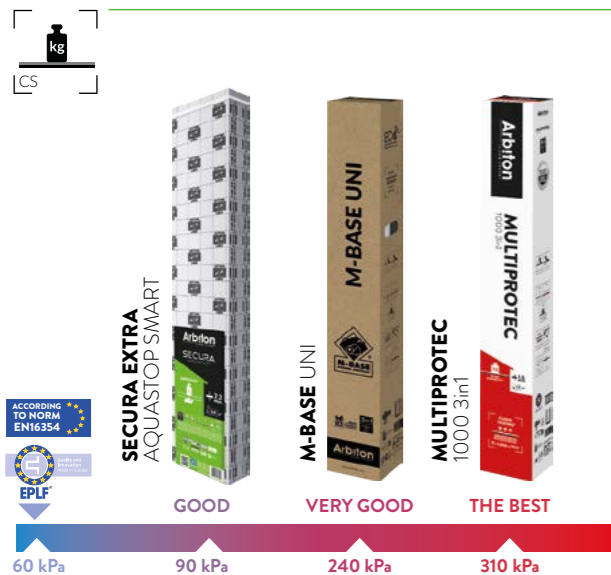
FLOOR DURABILITY



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 underlay 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.

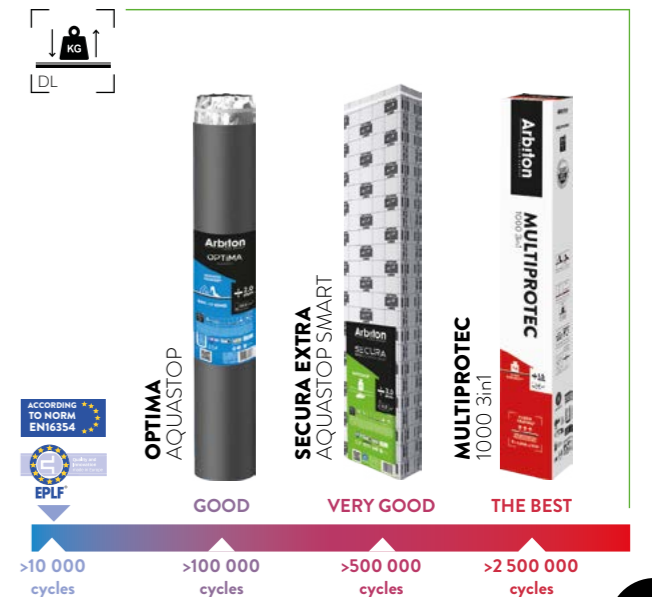
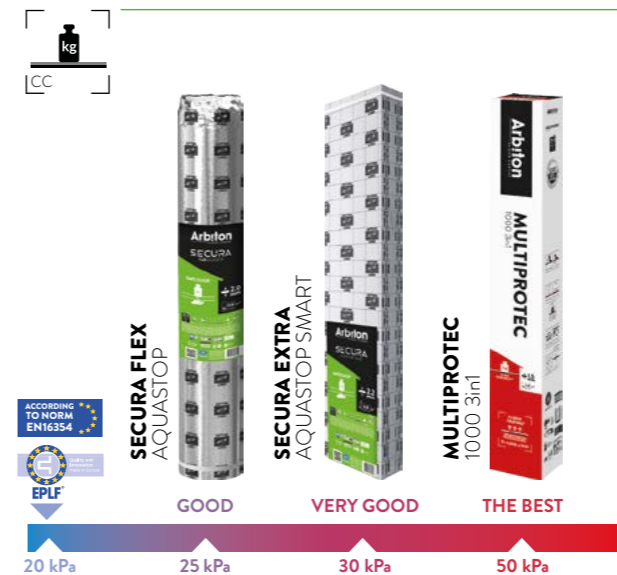


When exposed to long-term static loads, such as heavy furniture, an underlay's performance can deteriorate. To prevent this, the flooring system is tested for **Compressive Creep (CC)**, which measures the maximum static load the underlay can withstand over 10 years without losing its properties (i.e., 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.

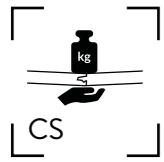
Arbiton underlays are designed to provide optimal support, enhancing comfort and durability while protecting your floor from everyday wear.

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.

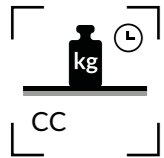


CHOOSE ADEQUATE UNDERLAY FOR YOUR FLOATING FLOOR LAMINATE & NATURAL FLOOR



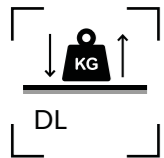
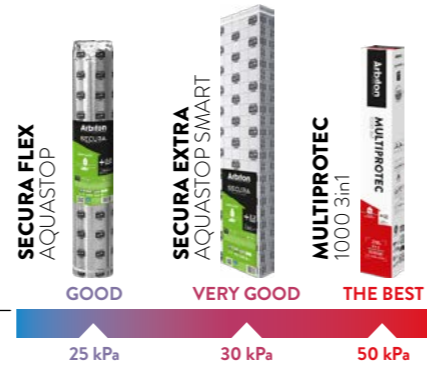
COMPRESSIVE STRENGTH

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



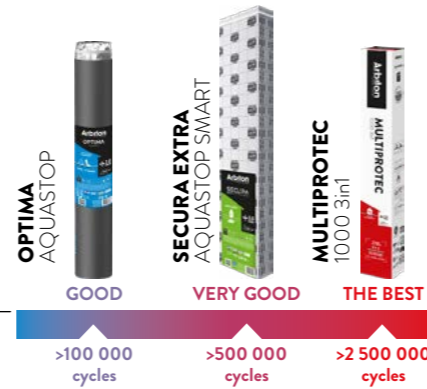
COMPRESSIVE CREEP RESISTANCE

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



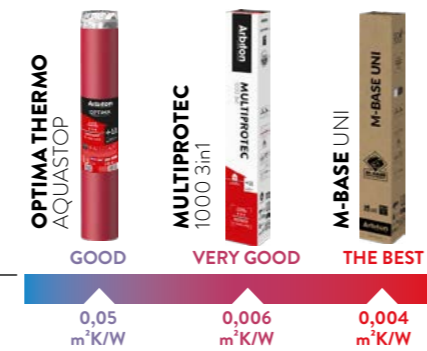
DYNAMIC LOAD

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 ≤ 0.15 m²K/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	
				Minimum value	Recommend value	
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	≥ 0,5 mm	
	COMPRESSIVE STRENGTH	CS	Compressive strenght at deformation	Protection of locking system and against cracking	≥ 10 kPa	≥ 60 kPa
	COMPRESSIVE CREEP RESISTANCE	CC	Sustained static load	The higher value allow placed heavier furniture on the flooring system	≥ 2 kPa	≥ 20 kPa
	DYNAMIC LOAD	DL	Resistance of the underlay against long-term dynamic load	Resistance to intensive usage	≥ 10 000 cycles	≥ 100 000 cycles
	RESISTANCE TO IMPACT BY LARGE BALL	RLB	Measured for the whole system - laminate + underlay	Protecting from deformation in case of heavy object fall	> 500 mm	> 1200 mm
ACOUSTIC COMFORT	IMPACT SOUND REDUCTION	IS	Transferred sound reduction	Sounds transferred to area below are muffled	≥ 14 dB	≥ 18 dB
	RADIATED WALKING SOUND	RWS	Reflected walking sound emitted	Reduction of noises reflected from the floor f.e. steps	< 110 sones	
THERMAL COMFORT	THERMAL BARRIER		Heat insulation*	Reduction of hot or cold transmission through the oor covering	≥ 0,075 m²K/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: ≤ 0,15 C: ≤ 0,15 m²K/W	
SUBSTRATE STRUCTURE	WATER VAPOUR RESISTANCE	SD	Protection against residual moisture in substrate	Avoiding damp related damages	≥ 75 m	

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

M-BASE FAMILY

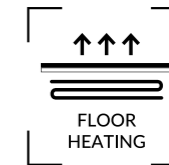


M-BASE DUO an underlay for special purposes:

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.

M-UNI 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 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
DUO**



**M-BASE
UNI**



**M-BASE
HEAT**

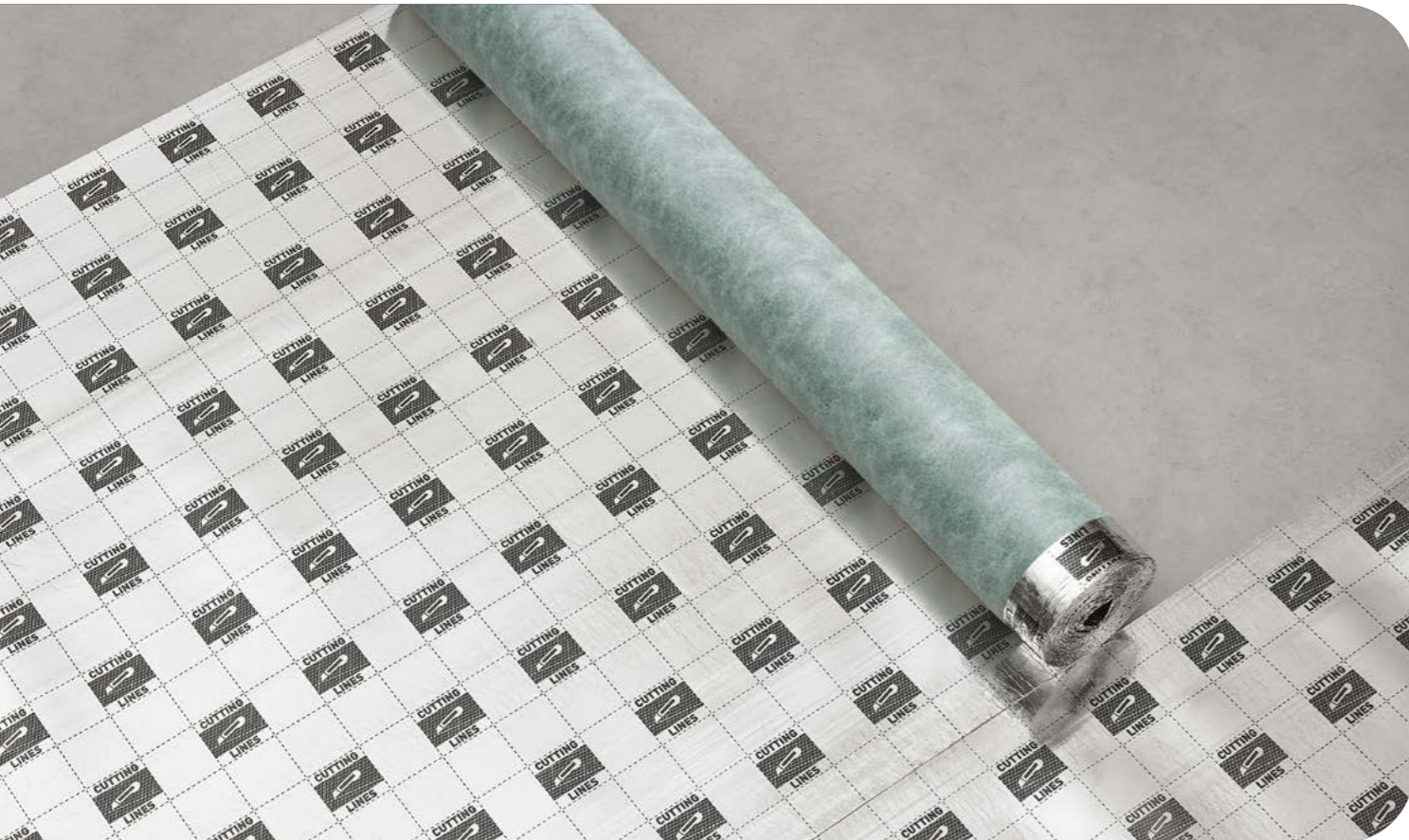
MATERIAL	PUM
THICKNESS	2 mm
FORM	ROLL / 8 m ²
PC	CLASS PC2 (<1,3 mm)
CS	CLASS CS3 (<300 kPa)
CC	CLASS CC3 (50 kPa)
DL	CLASS DL3 (>2 500 000 cycles)
RLB	CLASS RLB2 (≤1000 mm)
IS	<16 dB
RWS	66 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,01 m ² K/W
SD	-
EAN	5905167884072

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 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,007 m ² K/W
SD	>150 m
EAN	5905167852743

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 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,004 m²K/W
SD	>150 m
EAN	5905167847053

Detailed data of products on the **page 52**

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.

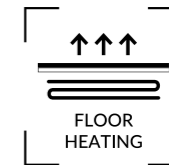
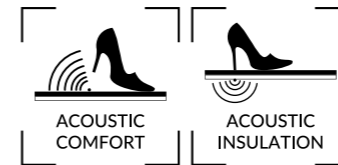
We are constantly developing our products to be market leader. That is why our laboratory develops the PUM underlay without compromise.

Multiprotec Absolute ensures highest acoustic parameters among PUM underlays.



FLEECE

Faster and more convenient installation thanks to better grip to subfloor.



MULTIPROTEC ABSOLUTE 3in1

MATERIAL	PUM+PET
THICKNESS	3 mm
FORM	ROLL / 5 m ²
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	66 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,017 m ² K/W
SD	>150 m
EAN	5905167816868



MULTIPROTEC ACOUSTIC 3in1

MATERIAL	PUM+PET
THICKNESS	2 mm
FORM	ROLL / 8 m ²
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 m ² K/W
SD	>150 m
EAN	5905167816851



MULTIPROTEC 1000 3in1

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

OPTIMA FAMILY



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

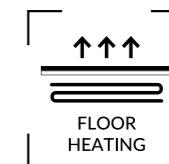
thanks to low thermal resistance.

> 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 AQUASTOP

MATERIAL	PEHD+PET
THICKNESS	2 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 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,04 m ² K/W
SD	>150 m
EAN	5905167881804



OPTIMA MAX

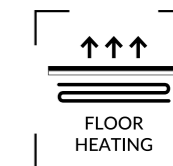
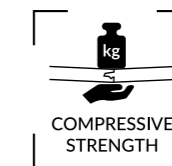
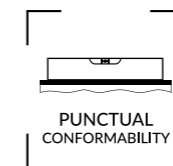
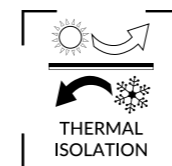
MATERIAL	PEHD
THICKNESS	2 mm
FORM	ROLL / 10 m ²
PC	CLASS PC2 (<1,3 mm)
CS	CLASS CS2 (<90 kPa)
CC	-
DL	CLASS DL2 (>100 000 cycles)
RLB	CLASS RLB3 (≤1500 mm)
IS	<19 dB
RWS	77 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,04 m ² K/W
SD	-
EAN	5905167881798



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 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,03 m²K/W
SD	>150 m
EAN	5905167881811

SECURA SMART FAMILY



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.



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



SECURA MAX AQUASTOP SMART

MATERIAL	XPS+PET
THICKNESS	5 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 sones
FLOOR HEATING	-
THERMAL COMFORT	<0,18 m²K/W
SD	>150 m
EAN	5905167734728

SECURA EXTRA AQUASTOP SMART

MATERIAL	XPS+PET
THICKNESS	3 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 sones
FLOOR HEATING	-
THERMAL COMFORT	<0,11 m²K/W
SD	>150 m
EAN	5905167807262

SECURA AQUASSTOP 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	77sones
FLOOR HEATING	-
THERMAL COMFORT	<0,08 m²K/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	77sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,05 m²K/W
SD	>150 m
EAN	5905167826942

OVERLAP

Perfect solution for creating solid vapour barrier.

SMART INSTALLATION

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

SECURA ROLLS FAMILY



flex
TECHNOLOGY

We have introduced **FLEX TECHNOLOGY** to our newest XPS underlay

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.



COMPRESSIVE STRENGTH



SECURA FLEX AQUASTOP

MATERIAL	XPS+PET
THICKNESS	2 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



ACOUSTIC INSULATION



SECURA FLEX

MATERIAL	XPS
THICKNESS	2 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 sones
FLOOR HEATING	-
THERMAL COMFORT	<0,074 m ² K/W
SD	-
EAN	5905167826713

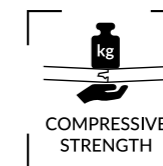


3IN1
■ UNDERLAY
■ FOIL
■ TAPE



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 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,05 m ² K/W
SD	>150 m
EAN	5905167826706

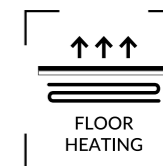


COMPRESSIVE STRENGTH



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	83 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,05 m ² K/W
SD	-
EAN	5905167826720



FLOOR HEATING



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	81sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,05 m ² K/W
SD	-
EAN	5905167748886

VINYL FLOORS LVT + RIGID = VINYL CLICK

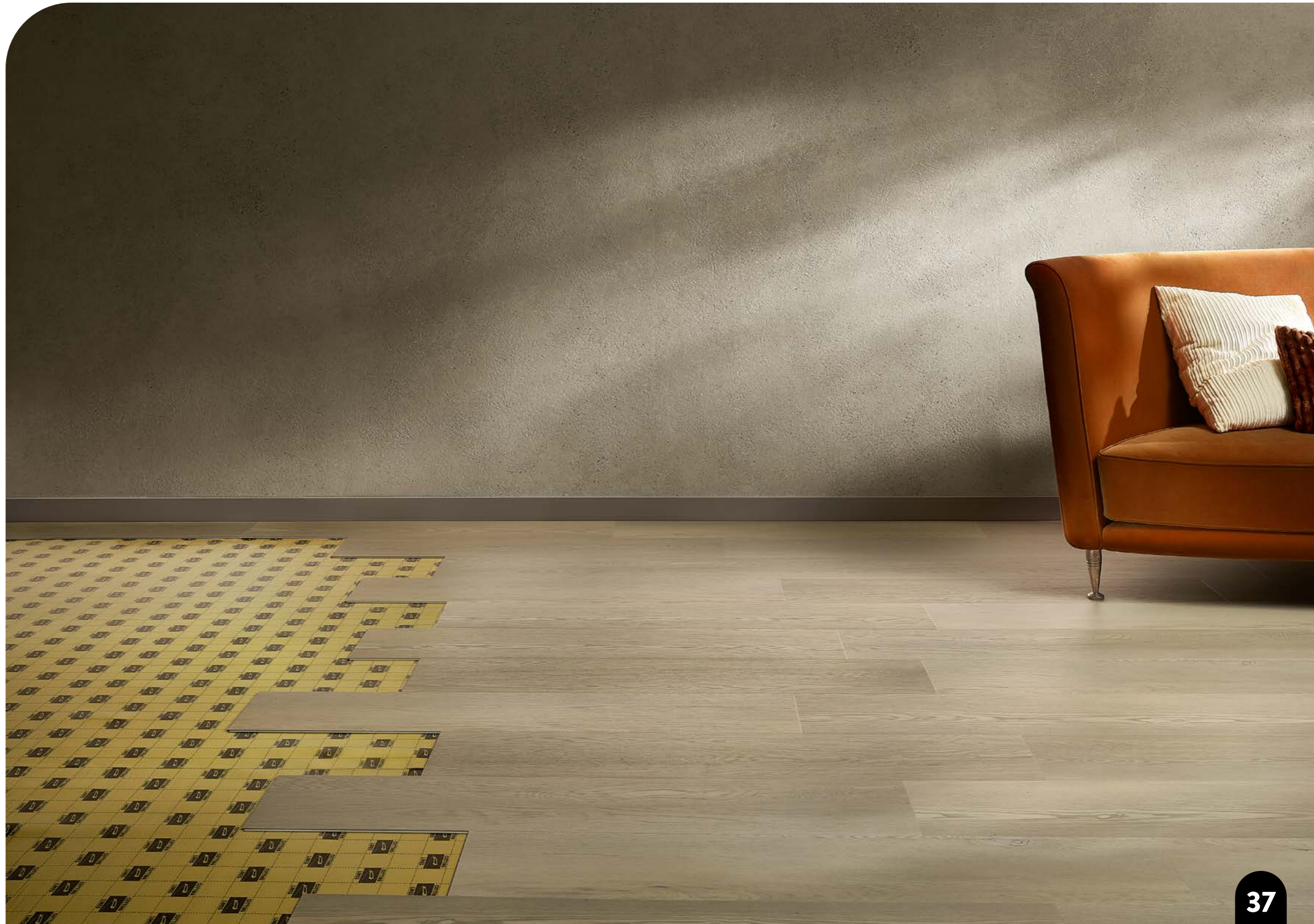
In many languages the category of floors defined by MMFA as class 2 (Polymer RIGID and Polymer LVT Click) is called using the word „VINYL“.

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)



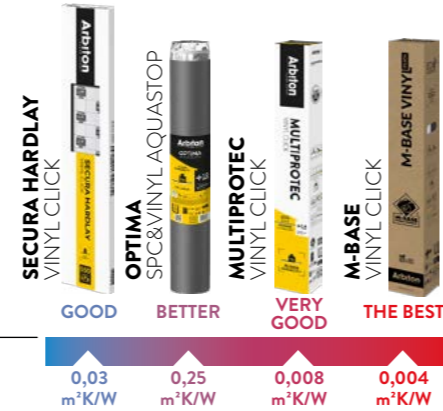
FLOOR DURABILITY

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.



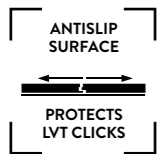
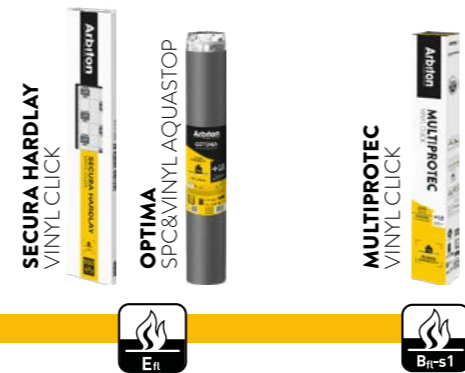
WALKING SOUND REDUCTION

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.



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
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	≥ 0,5 mm	
COMPRESSIVE STRENGTH	CS	Compressive strength at deformation	Protection of locking system and against cracking	≥ 200 kPa	≥ 400 kPa
COMPRESSIVE CREEP RESISTANCE	CC	Sustained static load	The higher value allow placed heavier furniture on the flooring system	≥ 10 kPa	≥ 35 kPa
DYNAMIC LOAD	DL	Resistance of the underlay against long-term dynamic load	Resistance to intensive usage	≥ 10 000 cycles	≥ 100 000 cycles
IMPACT SOUND REDUCTION	IS	Transferred sound reduction	Sounds transferred to area below are muffled	≥ 10 dB	≥ 18 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 BARRIER		Heat insulation*	Reduction of hot or cold transmission through the oor covering	≥ 0,075 m²K/W	
THERMAL RESISTANCE		Usefulness for coverings with underfloor heating (H) or cooling (C)**	Less time required for heating up/cooling off; energy savings	H: ≤0,15 C: ≤0,15 m²K/W	0,15 cooling
WATER VAPOUR RESISTANCE	SD	Protection against residual moisture in substrate***	Avoiding damp related damages	≥ 75 m	

EN16354 NORM GUIDELINES

FLOOR DURABILITY

ACOUSTIC COMFORT

THERMAL COMFORT

FLOOR HEATING

SUBSTRATE STRUCTURE

ADDITIONAL PARAMETERS - EPLF RECOMMENDATION

*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

***Necessary to use in case of slight rising dampness or occasional condensation, wet conditions in underneath rooms or in case of an underfloor heating.

M-BASE VINYL FAMILY



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

M-BASE VINYL CLICK

OPTIMA SPC&VINYL AQUASTOP

OPTIMA SPC&VINYL Aquastop is the first PEHD underlay in a roll format designed specifically 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.

MATERIAL	PUM+PET
THICKNESS	1,3 mm
FORM	ROLL / 9 m ²
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	>150 m
EAN	5905167852750

MATERIAL	PEHD+PET
THICKNESS	1 mm
FORM	ROLL / 12,5 m ²
PC	CLASS PC1 (<0,6 mm)
CS	CLASS CS3 (<400 kPa)
CC	-
DL	CLASS DL3 (>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

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.

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



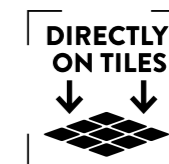
MULTIPROTEC VINYL CLICK ACOUSTIC

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 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,01 m ² K/W
SD	>150 m
EAN	5905167846063



MULTIPROTEC VINYL CLICK

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 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,008 m ² K/W
SD	-
EAN	590516776339



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 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,004 m ² K/W
SD	>150 m
EAN	5905167846049

SECURA VINYL FAMILY



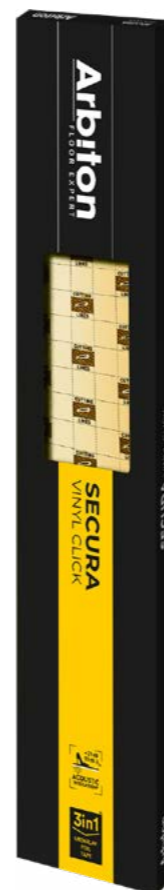
Products dedicated for vinyl floors with click system. Suitable for areas with high traffic level.

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.

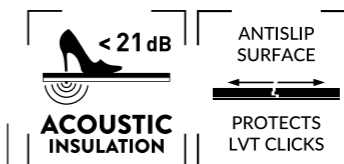
High IS value for this XPS products allows for implementation in commercial areas, where special parameters are required.

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



SECURA VINYL CLICK

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 Δ _{in}
RWS	60 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,04 m ² K/W
SD	>150 m
EAN	5905167816943



SECURA VINYL CLICK ANTISLIP

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 Δ _{in}
RWS	60 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,04 m ² K/W
SD	>150 m
EAN	5905167816936



SECURA HARDLAY VINYL CLICK

MATERIAL	XPS+PET
THICKNESS	1 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 (>1 500 000 cycles)
RLB	CLASS RLB3 (≤1300 mm)
IS	<18 dB
RWS	63 sones
FLOOR HEATING	YES
THERMAL COMFORT	<0,03 m ² K/W
SD	>150 m
EAN	5905167873779

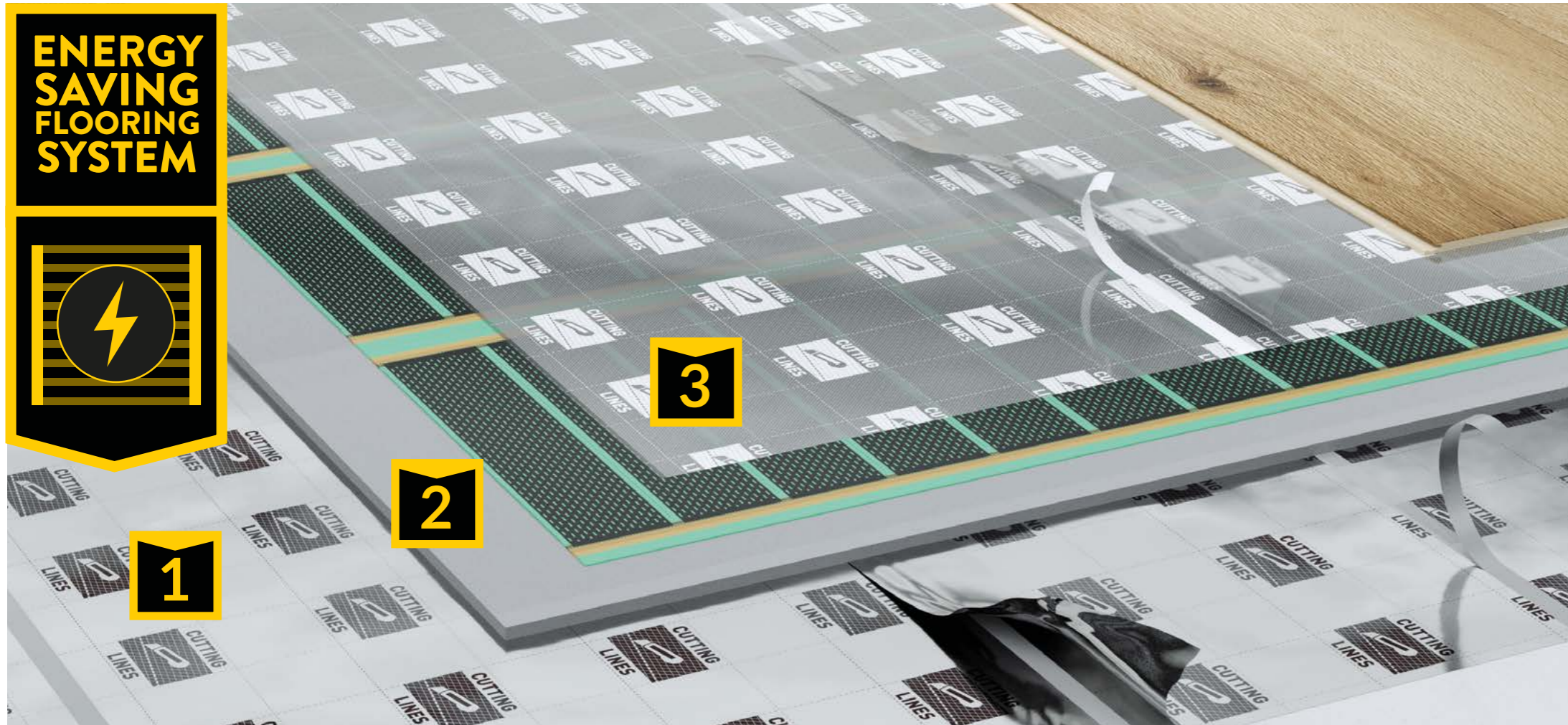
HEATING FOIL SYSTEMS

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



1

2

3

1

MATERIAL	-
THICKNESS	0,18 mm
FORM	ROLL

AQUAPROTEC VAPOUR BARRIER



SIZE	10 m ²
SD	>150 m
EAN	5905167875223

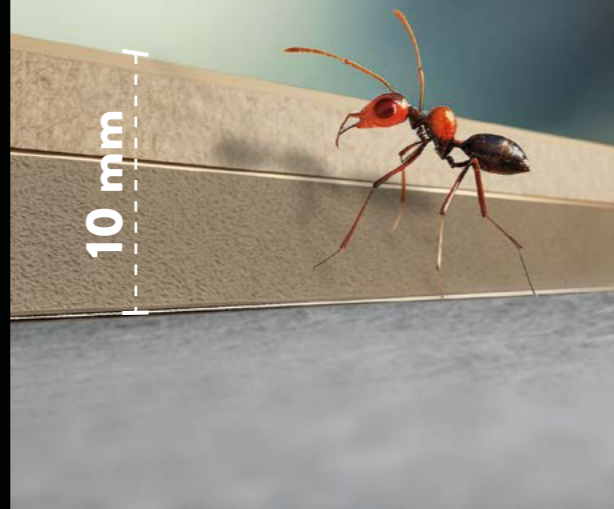
STEP 1
STEP 2
STEP 3

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

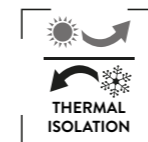
It enhances heating efficiency due to its high thermal insulation parameter; high compressive strength CS=500 kPa allows for the use of click vinyl, and thanks to its 5 mm thickness, it's possible to conceal cables connecting the heating films.

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).



10 mm



2

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

3

MATERIAL	-
THICKNESS	0,18 mm
FORM	ROLL

AQUAPROTEC HEAT FILM



SIZE	10 m ²
SD	-
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 m ² (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 m ² (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

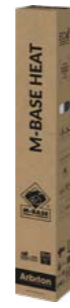
ALU TAPE



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



LAMINATE AND WOODEN FLOORS



Logistic Parameters	M-BASE DUO	M-BASE UNI	M-BASE HEAT	MULTIPROTEC ABSOLUTE 3in1	MULTIPROTEC ACOUSTIC 3in1	MULTIPROTEC 1000 3in1	OPTIMA AQUASTOP	OPTIMA MAX	OPTIMA THERMO AQUASTOP	Logistic Parameters
Thickness	2 mm	2 mm	1,5 mm	3 mm	2 mm	1,5 mm	2 mm	2 mm	1,5 mm	Thickness
Material	PUM	PUM+PET	PUM+PET	PUM+PET	PUM+PET	PUM+PET	PEHD+PET	PEHD	PEHD+PET	Material
Form	ROLL	ROLL	ROLL	ROLL	ROLL	ROLL	ROLL	ROLL	ROLL	Form
Size [m] / Package [m ²]	8 x 1 / 8	8 x 1 / 8	8 x 1 / 8	5 x 1 / 5	8 x 1 / 8	8 x 1 / 8	10 x 1 / 10	10 x 1 / 10	10 x 1 / 10	Size [m] / Package [m ²]
Dimension of package [mm]	145x145x1000	155x155x1060	155x155x1060	155x155x1060	155x155x1060	155x155x1060	150x150x1000	150x150x1000	135x135x1000	Dimension of package [mm]
Weight of package [kg]	12,8	13,5	10,1	10,25	13	12,5	2,43	2	1,83	Weight of package [kg]
Pallets	40	40	40	40	40	40	30	30	48	Pallets
Truck capacity	320 m ²	320 m ²	320 m ²	200 m ²	320 m ²	320 m ²	300 m ² / 600 m ²	300 m ² / 600 m ²	480 m ² / 960 m ²	Truck capacity
FT capacity	10 560 m ²	10 560 m ²	10 560 m ²	6 600 m ²	10 560 m ²	10 560 m ²	19 800 m ²	19 800 m ²	31 680 m ²	FT capacity
EAN	5905167884072	5905167852743	5905167847053	5905167816868	5905167816851	5905167816844	5905167881804	5905167881798	5905167881811	EAN
PROD. NO.	158254000000002929	158254000000001208	158254000000000915	154231201505000142	154231201505000141	154231201505000140	154235184504001001	154235184504001018	154235184504001003	PROD. NO.

Technical Parameters										Technical Parameters
PC	CLASS PC2 (1,3 mm)	CLASS PC2 (1,4 mm)	CLASS PC2 (1,2 mm)	CLASS PC3 (2,3 mm)	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
CS	CLASS CS3 (up to 300 kPa)	CLASS CS2 (up to 240 kPa)	CLASS CS3 (up to 280 kPa)	CLASS CS2 (up to 100 kPa)	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
CC	CLASS CC3 (50 kPa)	CLASS CC3 (50 kPa)	CLASS CC3 (50 kPa)	CLASS CC3 (50 kPa)	CLASS CC3 (50 kPa)	CLASS CC3 (50 kPa)	CLASS CC3 (50 kPa)	CLASS CC3 (50 kPa)	CLASS CC3 (50 kPa)	CC
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)	CLASS DL3 (>2 500 000 cycles)	CLASS DL2 (>100 000 cycles)	CLASS DL2 (>100 000 cycles)	CLASS DL2 (>100 000 cycles)	DL
RLB	CLASS RLB2 (≤1000 mm)	CLASS RLB2 (≤1000 mm)	CLASS RLB2 (≤1000 mm)	CLASS RLB2 (≤1000 mm)	CLASS RLB2 (≤1000 mm)	CLASS RLB2 (≤1000 mm)	CLASS RLB3 (≤1300 mm)	CLASS RLB3 (≤1500 mm)	CLASS RLB3 (≤1300 mm)	RLB
RWS	up to 66 sones	up to 66 sones	up to 72 sones	up to 64 sones	up to 66 sones	up to 72 sones	up to 77 sones	up to 77 sones	up to 79 sones	RWS
IS	up to 16 dB	up to 18 dB	up to 17 dB	up to 21 dB	up to 20 dB	up to 16 dB	up to 19 dB	up to 19 dB	up to 18 dB	IS
FLOOR HEATING	YES	YES	YES	YES	YES	YES	YES	YES	YES	FLOOR HEATING
THERMAL INSULATION	up to 0,01 m ² K/W	up to 0,007 m ² K/W	up to 0,004 m ² K/W	up to 0,017 m ² K/W	up to 0,01 m ² K/W	up to 0,006 m ² K/W	up to 0,04 m ² K/W	up to 0,04 m ² K/W	up to 0,03 m ² K/W	THERMAL INSULATION
SD		>150 m	>150 m	>150 m	>150 m	>150 m	>150 m	>150 m	>150 m	SD

LAMINATE AND WOODEN FLOORS



Logistic Parameters	SECURA MAX AQUASTOP SMART	SECURA EXTRA AQUASTOP SMART	SECURA AQUASTOP SMART	SECURA THERMO AQUASTOP SMART	SECURA FLEX AQUASTOP	SECURA FLEX	SECURA FLEX LIGHT AQUASTOP	SECURA FLEX LIGHT	SECURA THERMO	Logistic Parameters
Thickness	5 mm	3 mm	2,2 mm	1,6 mm	2 mm	2 mm	1,6 mm	1,6 mm	1,6 mm	Thickness
Material	XPS+PET	XPS+PET	XPS+PET	XPS+PET	XPS+PET	XPS	XPS+PET	XPS	XPS	Material
Form	SMART	SMART	SMART	SMART	ROLL	ROLL	ROLL	ROLL	ROLL	Form
Size [m] / Package [m ²]	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	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 [m ²]
Dimension of package [mm]	1182x390x60	1180x255x60	1180x257x44	1180x255x32	230x230x1100	230x230x1100	150x150x1100	150x150x1100	200x200x1100	Dimension of package [mm]
Weight of package [kg]	1,03	0,76	0,64	0,64	2,01	1,76	1,25	1,92	1,6	Weight of package [kg]
	32	48	66	84	24	24	45	24	24	
	176 m ² / 352 m ²	288 m ² / 576 m ²	396 m ² / 792 m ²	504 m ² / 1008 m ²	360 m ² / 720 m ²	396 m ² / 792 m ²	450 m ² / 900 m ²	480 m ² / 960 m ²	396 m ² / 792 m ²	
	11 264 m ²	18 432 m ²	25 344 m ²	32 256 m ²	23 040 m ²	25 344 m ²	28 800 m ²	30 720 m ²	25 344 m ²	
EAN	5905167734728	5905167807262	5905167807842	5905167826942	5905167826690	5905167826713	5905167826706	5905167826720	5905167748886	EAN
PROD. NO.	154235184504000070	1582 54000000000417	154235184504000078	154231201505000805	154231201505000780	154231201505000782	154231201505000781	154231201505000783	154234133501046019	PROD. NO.

Technical Parameters											Technical Parameters
	PC	CLASS PC3 (4,6 mm)	CLASS PC3 (2,6 mm)	CLASS PC2 (1,3 mm)	CLASS PC2 (1,2 mm)	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
	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)	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
	CC	CLASS CC2 (25 kPa)	CLASS CC2 (30 kPa)	CLASS CC2 (30 kPa)	CLASS CC2 (30 kPa)	CLASS CC2 (25 kPa)	CLASS CC2 (25 kPa)	CLASS CC2 (25 kPa)	CLASS CC2 (25 kPa)	CLASS CC2 (25 kPa)	CC
	DL	CLASS DL3 (>500 000 cycles)	CLASS DL3 (>500 000 cycles)	CLASS DL3 (>500 000 cycles)	CLASS DL3 (>500 000 cycles)	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
	RLB	CLASS RLB3 (≤1600 mm)	CLASS RLB3 (≤1600 mm)	CLASS RLB3 (≤1500 mm)	CLASS RLB2 (≤1200 mm)	CLASS RLB3 (≤1300 mm)	CLASS RLB3 (≤1300 mm)	CLASS RLB3 (≤1200 mm)	CLASS RLB3 (≤1200 mm)	CLASS RLB3 (≤1300 mm)	RLB
	RWS	up to 81 sones	up to 79 sones	up to 77 sones	up to 77 sones	up to 83 sones	up to 83 sones	up to 81 sones	up to 81 sones	up to 81 sones	RWS
	IS	up to 22 dB	up to 21 dB	up to 20 dB	up to 19 dB	up to 20 dB	up to 20 dB	up to 19 dB	up to 19 dB	up to 19 dB	IS
	FLOOR HEATING				YES	YES	YES	YES	YES	YES	FLOOR HEATING
	THERMAL INSULATION	up to 0,18 m ² K/W	up to 0,11 m ² K/W	up to 0,08 m ² K/W	up to 0,05 m ² K/W	up to 0,074 m ² K/W	up to 0,074 m ² K/W	up to 0,05 m ² K/W	up to 0,05 m ² K/W	up to 0,05 m ² K/W	THERMAL INSULATION
	SD	>150 m	>150 m	>150 m	>150 m	>150 m		>150 m			SD

VINYL FLOORING



Logistic Parameters	M-BASE VINYL CLICK	MULTIPROTEC VINYL CLICK ACOUSTIC	MULTIPROTEC VINYL CLICK	MULTIPROTEC VINYL CLICK SUPER HARDLAY	OPTIMA SPC&VINYL AQUASTOP	SECURA HEAT VINYL CLICK	SECURA VINYL CLICK	SECURA VINYL CLICK ANTISLIP	SECURA HARDLAY VINYL CLICK	Logistic Parameters
Thickness	1,3 mm	2,2 mm	1,4 mm	1,1 mm	1 mm	5 mm	1,5 mm	1,5 mm	1 mm	Thickness
Material	PUM+PET	PUM+PET	PUM+PET	PUM+PET	PEHD+PET	HDXPS	XPS+PET	XPS+PET	XPS+PET	Material
Form	ROLL	ROLL	ROLL	ROLL	ROLL	PLATE	SMART	SMART	SMART	Form
Size [m] / Package [m ²]	9 x 1 / 9	7 x 1 / 7	8,5 x 1 / 8,5	9 x 1 / 9	12,5 x 1 / 12,5	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 [m ²]
Dimension of package [mm]	155x155x1060	155x155x1060	133x133x1060	133x133x1060	130x130x1000	1200x600x40	1190x270x41	1190x270x41	1200x270x30	Dimension of package [mm]
Weight of package [kg]	10,1	11,3	12,3	11,4	3,59	1,81	1,81	1,88	1,5	Weight of package [kg]
Pallets	40	40	48	48	54	54	63	63	78	Pallets
Truck	360 m ²	280 m ²	408 m ²	432 m ²	675 m ² / 1350 m ²	311,04 m ²	393,75 m ² / 787,5 m ²	393,75 m ² / 787,5 m ²	487,75 m ² / 975 m ²	Truck
FT	11 880 m ²	9 240 m ²	13 464 m ²	14 256 m ²	44 550 m ²	10 264 m ²	25 200 m ²	25 200 m ²	31 200 m ²	FT
EAN	5905167852750	5905167846063	5905167776339	5905167846049	5905167881767	5905167875216	5905167816943	5905167816936	5905167873779	EAN
PROD. NO.	158254000000001209	154231201505000141	154235184504001011	158254000000000865	158254000000002812	158254000000002487	154231201505000150	154231201505000149	158254000000002443	PROD. NO.

Technical Parameters											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)	CLASS PC3 (3,0 mm)	CLASS PC2 (1,0 mm)	CLASS PC2 (1,0 mm)	CLASS PC1 (0,8 mm)	CLASS PC1 (0,8 mm)	PC
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)	CLASS CS3 (500 kPa)	CLASS CS3 (400 kPa)	CLASS CS3 (400 kPa)	CLASS CS3 (550 kPa)	CLASS CS3 (550 kPa)	CS
CC	CLASS CC3 (70 kPa)	CLASS CC3 (50 kPa)	CLASS CC3 (70 kPa)	CLASS CC3 (100 kPa)	CLASS CC3 (100 kPa)	CLASS CC2 (25 kPa)	CLASS CC2 (40 kPa)	CLASS CC2 (40 kPa)	CLASS CC2 (40 kPa)	CLASS CC2 (40 kPa)	CC
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)	CLASS DL3 (>500 000 cycles)	CLASS DL3 (>1 000 000 cycles)	CLASS DL3 (>1 000 000 cycles)	CLASS DL3 (>1 000 000 cycles)	CLASS DL3 (>1 000 000 cycles)	DL
RLB	CLASS RLB3 (≤1100 mm)	CLASS RLB2 (≤1100 mm)	CLASS RLB3 (≤1500 mm)	CLASS RLB2 (≤1100 mm)	CLASS RLB3 (≤1300 mm)	CLASS RLB3 (≤1500 mm)	CLASS RLB3 (≤1500 mm)	CLASS RLB3 (≤1500 mm)	CLASS RLB3 (≤1300 mm)	CLASS RLB3 (≤1300 mm)	RLB
RWS	up to 62 sones	up to 58 sones	up to 58 sones	up to 62 sones	up to 63 sones	up to 62 sones	up to 60 sones	up to 60 sones	up to 63 sones	up to 63 sones	RWS
IS	up to 17 dB	up to 21 dB	up to 16 dB	up to 14 dB	up to 18 dB	up to 18 dB	up to 21 dB 10 dB Δ _{in}	up to 21 dB 10 dB Δ _{in}	up to 18 dB	up to 18 dB	IS
FLOOR HEATING	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	FLOOR HEATING
THERMAL INSULATION	up to 0,004 m ² K/W	up to 0,01 m ² K/W	up to 0,008 m ² K/W	up to 0,004 m ² K/W	up to 0,025 m ² K/W	up to 0,17 m ² K/W	up to 0,04 m ² K/W	up to 0,04 m ² K/W	up to 0,03 m ² K/W	up to 0,03 m ² K/W	THERMAL INSULATION
SD	>150 m	>150 m	>150 m	>150 m	>150 m	>150 m	>150 m	>150 m	>150 m	>150 m	SD



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