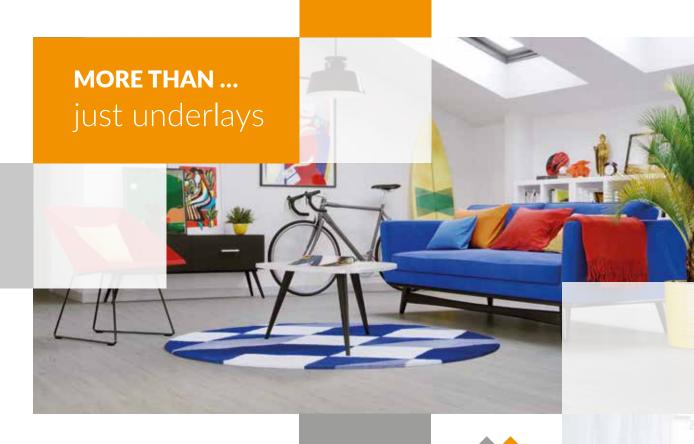


ACCORDING * *
TO NORM *
EN16354 * *

UNDERLAYS



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.

MORE THAN...

...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.

...TECHNOLOGY

Our inhouse floor 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.

...MANUFACTURE

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





We try harder, we are the FLOOR EXPERT

Arbiton Underlays meet requirements of EU norm EN16354



As the market leaders and forward thinkers we strongly emphasise development of our products. That is why we are the first manufacturer in Central Europe with all product achieving EN16354 norm requirements.

Since April 2019 each underlay needs to fulfil particular conditions of EN16354 European norm. This regulation describes principal parameters for underlayment and for the first time, set the methodology of measuring performance, clarify evaluation of product between manufacturers and unify comparison. Now manufacturers are obligated to inform about six basic parameters of the product.

Among these parameters, three of them are applying to durability of the floor. Norm refers to **punctual conformability** (PC)- ability of the underlay to smoothen small defects of subfloor, **compressive strength** (CS) – helps ensure integrity of the flooring system and **dynamic load** (DL) that aim to secure sufficient resistance against long term changeable load (like 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 manufacturer

Being a market leader means constant challenges from competition, and that is the reason we try harder and constantly push towards better solutions.

Our inhouse laboratory is enormous asset which brings crucial data for reengineering our products and set the trends in flooring.

We are the first manufacturer offering **professional 3in1** solutions in each segment from **XPS**, **HDPE** and **PUM** combining underlayment, damp proof membrane and tape in one product.



Our R&D and Quality Control Departments not only constantly monitor ingredients and finished products but also redesign internal processes to increase work efficiency. Or greatest assets are qualified and motivated employees, organization of work that creates room for flexibility in dynamic environment of conducting numbers of tests on a daily basis. Our laboratory is equipped in modern measuring and control apparatus, which leads to fast and precise results. Research facilities helps us develop

complex solutions

in flooring

UNDERLAYS | 09

OUR SOLUTIONS

3IN1



STOP PE FOAMUSE SECURA FLEX



Our FLEX Technology products have great parameters certified with EN16354 norm and are the best solution for PE foam which is not passing DL test required by norm and cannot be named as underlay.

FLEX Technology stands for more flexible XPS which leads to more comfort during installation.

OUR SECURA FLEX FAMILY







SECURA FLEX



SECURA LIGHT AQUASTOP FLEX



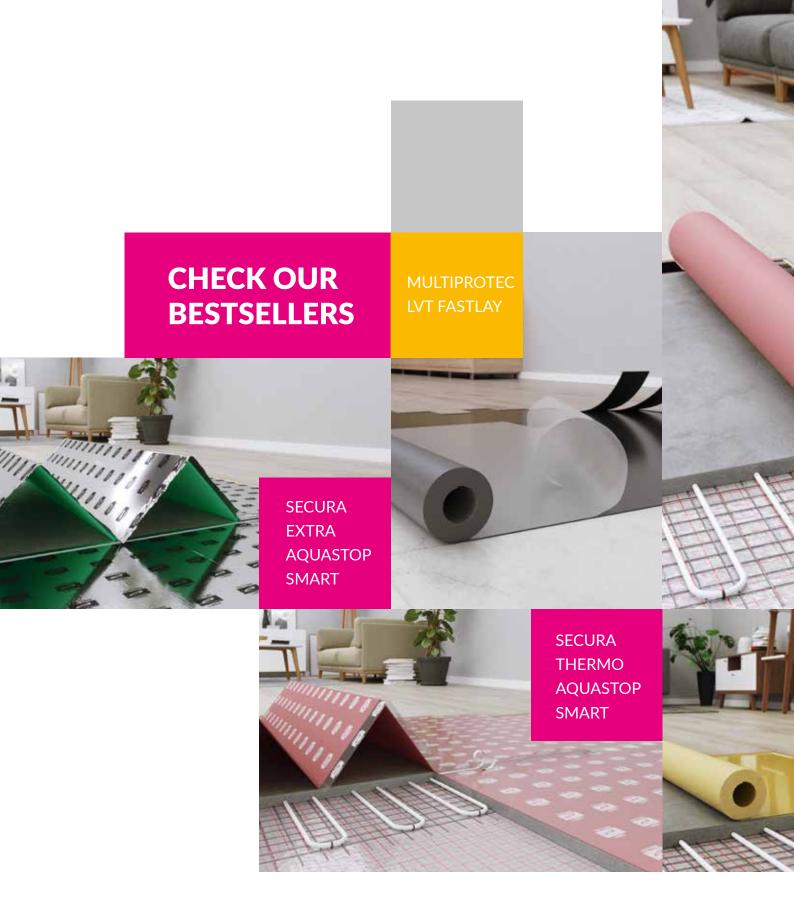
SECURA LIGHT FLEX

FLEX IS THE BEST ALTERNATIVE FOR PE FOAM

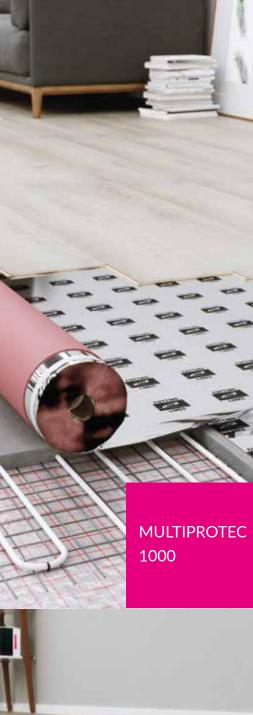


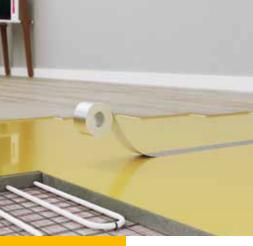
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MULTIPROTEC LVT

FLOATING FLOOR - LAMINATE & ENGINEERED WOOD

MULTIPROTEC FAMILY

23 | MULTIPROTEC ABSOLUTE 3IN1

23 I MULTIPROTEC ACOUSTIC 3IN1

23 | MULTIPROTEC 1000 3IN1

OPTIMA FAMILY

25 | OPTIMA EXPERT AQUASTOP

25 I OPTIMA THERMO AQUASTOP

25 I OPTIMA AQUASTOP

25 | OPTIMA MAX

SECURA SMART FAMILY

27 | SECURA MAX AQUASTOP SMART

27 | SECURA EXTRA AQUASTOP SMART

27 | SECURA AQUASTOP SMART

27 | SECURA THERMO AQUASTOP SMART

SECURA FLEX FAMILY NEW

29 | SECURA AQUASTOP FLEX

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SECURA LVT FAMILY

45 | SECURA LVT CLICK SMART

45 | SECURA LVT CLICK SMART N

45 | SECURA LVT CLICK SMART EASY N

FASTLAY FAMILY

47 | MULTIPROTEC LVT FASTLAY HD

47 | SECURA LVT FASTLAY SMART

CHOOSE THE RIGHT UNDERLAY

FLOOR HEATING

DO YOU FIT THE FLOOR WITH UNDERFLOOR HEATING SYSTEM?

Search for products with the following icon



THERMAL COMFORT

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

Search for products with the following icon









WE HAVE GOT ALL OF YOUR NEEDS COVERED WITH OUR HOUSE CONCEPT





ACOUSTIC COMFORT

DO YOU WANT TO IMPROVE ACOUSTIC COMFORT?

Search for products with the following icons



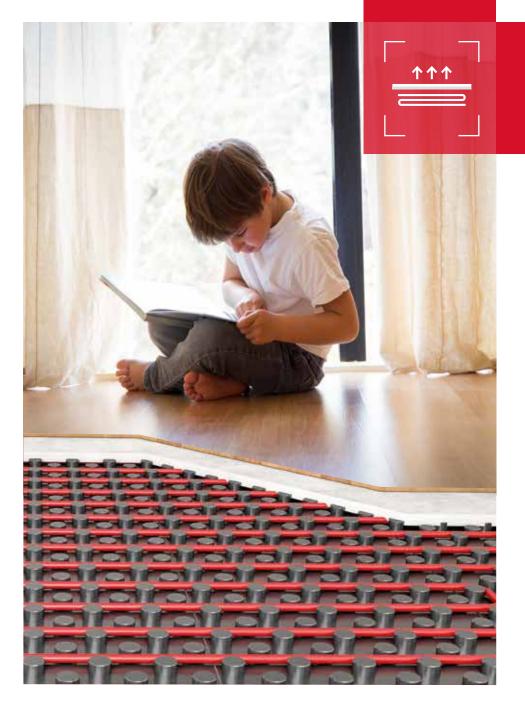
FLOOR DURABILITY

DO YOU FIT THE FLOOR IN HIGH TRAFFIC AREA?

Search for products with the following icons







FLOOR HEATING

The choice of the flooring type 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 for warm air to pass into the area.

The thermal resistance of a flooring system (floor covering + underlay) should not exceed 0.15 m²/W in accordance with 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.

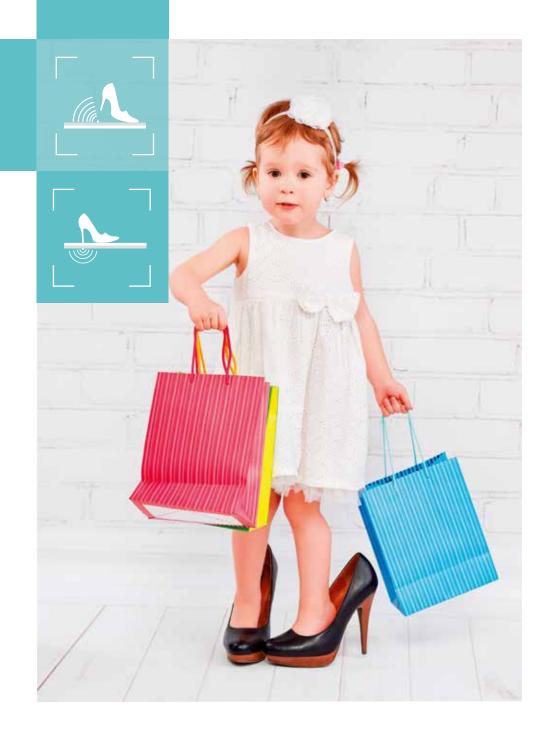
Multiprotec 1000 is the best underlay for underfloor heating, with a thermal resistance of only 0.006 m²K/W. This parameter is a result of its density and mineral structure, which conducts heat very well. It drastically reduces energy consumption compared to other products. Efficient underfloor heating guarantees enormous savings.



ACOUSTIC COMFORT

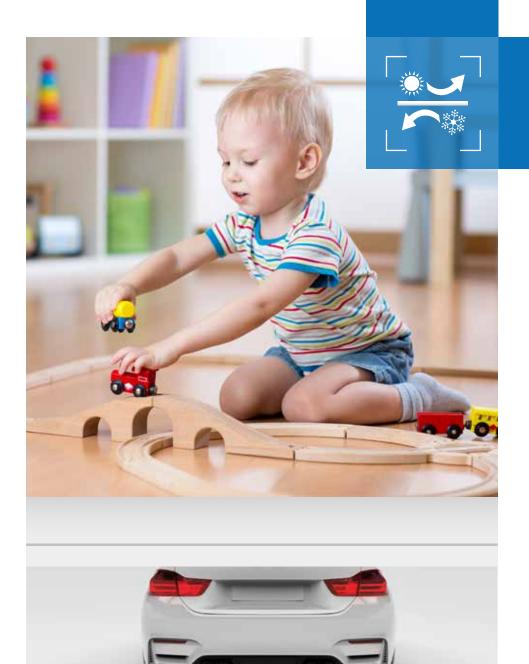
While we cannot completely eliminate floor noises, they can be reduced significantly with a suitable underlay. Reductions in sound are specified as a percentage (%) for reflected walking noises (RWS) and in decibels (dB) for impact sound (IS).

What does this mean? Well, a noise reduction of 10 dB corresponds to 50% soundproofing to the human ear. The best underlays on the market have an RWS of nearly 30% and an IS of more than 20 dB. Standard PE foam or ecological boards seem to be less useful in this area, as they have hardly any effect on noise reduction.









THERMAL COMFORT

The higher the R value of the flooring system, 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 areas 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.



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 underlayment will protect the joining system and counteract the deformation and opening-up of any cracks.

For higher requirements of EPLF, the 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 durability of the floor covering and contribute to reach higher numer of cycles and in some cases let the floor pass 25 000 cycles mark.





STATIC LOAD







Underlay is not an additional equipment but integral part of the floor system. Properly selected underlay enhance durability of the floor for many years.

Parameter which in very visual way describes durability of the floor is dynamic load (DL). DL ensures sufficient resistance of the underlay against long-term dynamic loads caused by walking people or sitting on a castor chair.

The higher value of DL parameter the better and more time you will have a perfect floor– this means that more cycles can be applied to the underlay that result in contractions of material.

DYNAMIC LOAD



The EN16354 norm introduced three classes of resistance
– the lowest is DL1 and the highest DL3. Minimal requirement to qualify product as an underlay is 10 000 cycles.

The most popular product in DIY stores - PE FOAM, does not achieve 10 000 cycles hence cannot be named as underlay.*

*Refers to PE product with density below 30 kg/m $^{\!3}$







		Requirement	KPI	Description	Benefits for users	Minimum value	Recommended value
VES	FLOOR DURABILITY	PUNCTUAL CONFORMA- BILITY	PC	Smoothening 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	
EN16354 NORM GUIDELINES		COMPRESSIVE STRENGTH	kg CS	Compressive strength at deformation	Protection of locking system and against cracking	≥10 kPa	≥60 kPa
EN1635	FLOO	DYNAMIC LOAD	↓ kg ↑	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	Measure the whole system - laminate + underlay	Protecting from deformation in case of heavy object fall	>500 mm	>1200 mm
EPLF RECOMMENDATION	COMFORT	IMPACT SOUND REDUCTION	IS 👺	Transfered sound reduction	Sounds transfered to area below are muffled	≥14dB	≥18dB
	ACOUSTIC	RADIATED WALKING SOUND	RWS	Reflected walking sound emitted	Reduction of noises reflected from the floor f.e. steps		
ADDITIONAL PARAMETERS - EPLF RECOM	THERMAL	THERMAL BARRIER		Heat insulation*	Short time of warming up or cooling down the emiting floor, saving energy	H: ≥0,15 C: ≥0,10 m³K/W	
ADDITIONAL	FLOOR	THERMAL RESISTANCE	<u>↑↑↑</u>	Usefulness for coverings with underfloor heating (H) or cooling (C)*	Less time required for heating up/cooling off; energy savings	≥0,075 m²K/W	
	SUBSTRATE	WATER VAPOUR RESISTANCE	SD	Protection against residual moisture in substrate	Avoiding damp releted damages	≥75 m	

^{*}EN16354 norm and EPLF 08/2013 instruction - Installation of Laminate Floor Coverings

MULTIPROTEC FAMILY

Polyurethane-mineral underlays (PUM) – the highest standard that ensures the best sound-proofing. Furthermore very high pressure resistance ensures floor protection and durability. Very low heat resistance makes the underlay an ideal solution for underfloor heating systems.

Multiprotec 1000 is our most popular product among professional fitters. Its advantages such as durability and ideal application to heated floor systems place it at the top level of underlay on the market. Thanks to this product you can save up to 200EUR yearly in costs of floor heating.*

Multiprotec Acoustic is dedicated for the people who strongly value acoustic comfort. Thanks to its advanced technology Multiprotec Acoustic allows to 100 times decrease intensity of sound penetrating the floor.

We are constantly developing our products to be market leader.

That is why our laboratory develop the PUM underlay without compromise.

Multiprotec Aboslute ensures highest acoustic parameters among PUM underlays.

MULTIPROTEC ABSOLUTE

is the best solution for acoustic insulation

*Calculated for 50 m² apartment, tem. 22°C, floor heating (104% efficiency), 6 months period, comparison of Multiprotec 1000 with PE foam





- ON THE PROPERTY OF THE PROPE

SIN1 - INGREENT - ING

MULTIPROTEC

CLASS CS3

CLASS RLB2

yes

>150 m

MULTIPROTEC ABSOLUTE 3IN1

Material	PUM/PET
Thickness	3 mm
Form	Roll
	5 m x 1 m / 5 m ²

40 pcs	

	200 m²	
FT	6600 m²	

PC	CLASS PC3 (<2,3 mm)	
	CLASS CS2	

(<100 kPa)

21.0
DL3
CYCLES)

DL	
RLB	CLASS RLB2 (≤1000 mm)
IS S	<21 dB

RWS	<30%

<u> </u>	yes
<u>*</u>	0,01 m ² K/W

>15	50 m
-----	------

MULTIPROTEC

CLASS CS3

CLASS RLB2

yes

>150 m

ACOUSTIC 3IN1	1000 3IN1
PUM/PET	PUM/PET
2 mm	1,5 mm
Roll	Roll
8 m x 1 m / 8 m ²	8 m x 1 m / 8 m²
40 pcs	40 pcs
320 m²	320 m²

10 560 m²	10 560 m²
CLASS PC2	CLASS PC2
(<1,6 mm)	(<1,2 mm)

(<250 kPa)	(<310 kPa)
CLASS DL3 (>250 000 CYCLES)	CLASS DL3 (>250 000 CYCLES)

(≤1000 mm)	(≤1000 mm)
<20 dB	<16 dB
<28%	<22%

0,01 m ² K/W	0,006 m ² K/W	

EAN 5905167816851 **EAN** 5905167816844

Best quality products for the most demanding Clients.



UNDERLAYS | 23

OPTIMA FAMILY

OPTIMAL CHOISE

Underlays from Optima product line enhance acoustic comfort – reduce noice, and thanks to low thermal resistance it 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 Expert Aquastop** which combines underlay, damp proof membrane and overlap of foil with adhesive tape. Thanks to this you can easily place and join pieces of underlay and create solid moisture barrier.

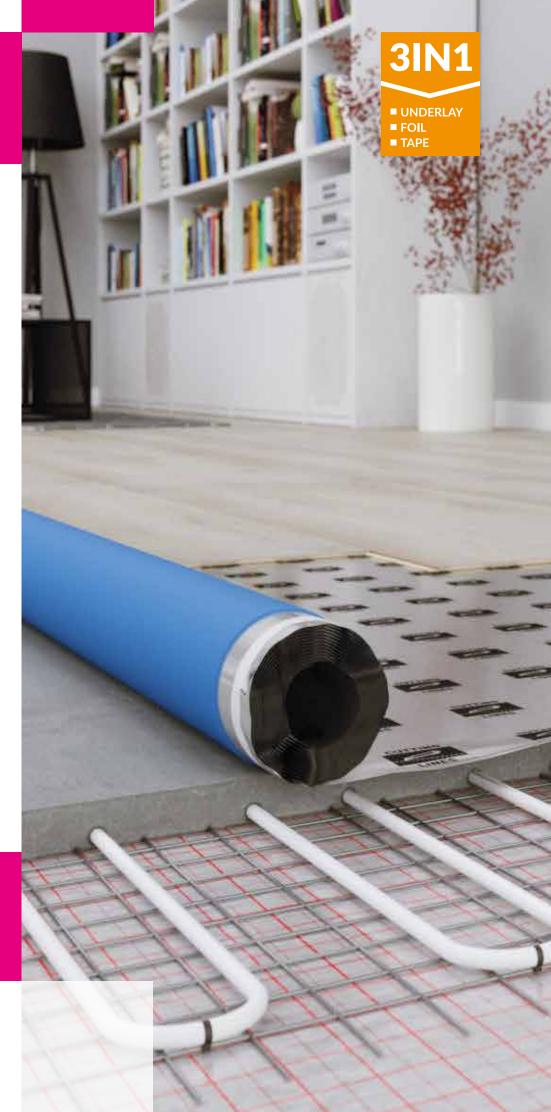
Underlays from Optima Family offer high quality parameters with attractive pricing.

> Acoustic comfort

- good solution in both muffling 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 EXPERT AQUASTOP

Material

PEHD/PET

Thickness

2,0 mm

Form

Roll



10 m x 1 m/ 10 m²



30 pcs



 $300 \text{ m}^2 / 600 \text{ m}^2$



19 800 m²



CLASS PC2 (<1,3 mm)



CLASS CS2 (<70 kPa)



CLASS DL2 (>100 000 CYCLES)



CLASS RLB3 (≤1300 mm)



<19 dB



<22%



yes



0,05 m2K/W



>150 m

OPTIMA THERMO AQUASTOP

PEHD/PET

1,5 mm

Roll

10 m x 1 m/ 10 m²

48 pcs

480 m² / 960 m²

31 680 m²

CLASS PC2 (<1,2 mm)

CLASS CS2 (<60 kPa)

CLASS DL2 (>100 000 CYCLES)

> **CLASS RLB3** (≤1300 mm)

> > <18 dB

<16%

yes

0,03 m2K/W

>150 m

OPTIMA AQUASTOP

PEHD/PET

2,0 mm

Roll

10 m x 1 m/ 10 m²

30 pcs

 $300 \text{ m}^2 / 600 \text{ m}^2$

19 800 m²

CLASS PC2 (<1,3 mm)

CLASS CS2 (<60 kPa)

CLASS DL2 (>100 000 CYCLES)

> **CLASS RLB3** (≤1500 mm)

> > <19 dB

<20%

yes

0,04 m²K/W

>150 m

EAN 5905167778777

OPTIMA MAX

PEHD

2,0 mm

Roll

10 m x 1 m/ 10 m²

30 pcs

 $300 \text{ m}^2 / 600 \text{ m}^2$

19 800 m²

CLASS PC2 (<1,3 mm)

CLASS CS2 (<60 kPa)

CLASS DL2 (>100 000 CYCLES)

> **CLASS RLB3** (≤1500 mm)

> > <19 dB

<20%

yes

 $0,04 \text{ m}^2\text{K/W}$

EAN 5905167779316

UNDERLAYS | 25

EAN 5905167778784

EAN 5905167778791

SECURA SMART FAMILY

Underlays from this family thanks to their properties are great solutions for compensating small surface irregularities. Secura Familiy 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 ideal vapour barrier.

SMART INSTALLATION

3IN1 underlay: Underlay has a firm and stable connection. No additional alu tape required.

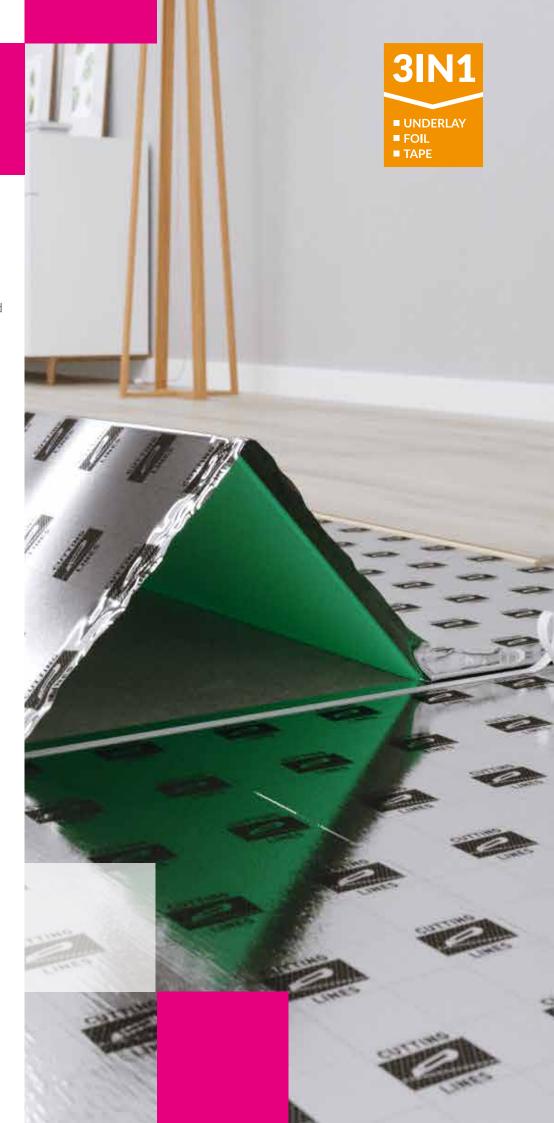
EASY POS CONCEPT for DIY

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

















SECURA MAX AQUASTOP SMART

Material	XPS/PET
Thickness	5,0 mm
Form	Smart
$\rightarrow \rightarrow$	4,7 m x 1,18 m / 5,5 m ²

///_	
	32 pcs



11 264 m²

	CLASS PC3	
WED .	(<4,6 mm)	
DC .		

FT

kg	CLASS CS2 (<90 kPa)
CS	(7 5 111 4)

ı ≏ ↑	CLASS DL3
kg ↑	(>250 000 CYCLES)
DL	

RLB	CLASS RLB3 (≤1600 mm)	
A	.00 ID	
N .	<22 dB	

15 🔾	
	<10%
RWS	

	$0,18 \text{ m}^2\text{K/W}$	
× 20.00 m		

SD	>150 m

SECURA EXTRA AQUASTOP SMART

XPS/PET	
3,0 mm	
Smart	

5,1 m x 1,18 m / 6 m²

51 pcs

288 m² / 576 m²

CLASS PC3 (<2,6 mm)

18 432 m²

CLASS CS2 (<90 kPa)

CLASS DL3 (>250 000 CYCLES)

> CLASS RLB3 (≤1600 mm)

> > <21 dB <12%

0,11 m²K/W

N

SECURA AQUASTOP SMART

XPS/	/PET
2,2	mm
Sm	art
3111	ui c

5,1 m x 1,18 m / 6 m²

252 m² / 756 m²

42 pcs

24 192 m²

CLASS PC2

(<1,8 mm)

CLASS CS2
(<90 kPa)

CLASS DL3 (>250 000 CYCLES)

> CLASS RLB3 (≤1500 mm)

> > <20 dB

<14%

0,08 m²K/W

>150 m

SECURA THERMO AQUASTOP SMART

XPS/PET

1,6 mm Smart

5,1 m x 1,18 m / 6 m²

45 pcs

270 m² / 810 m²

25 920 m²

CLASS PC2 (<1,2 mm)

CLASS CS2 (<90 kPa)

CLASS DL3 (>250 000 CYCLES)

> CLASS RLB2 (≤1200 mm)

> > <19 dB

<14%

yes

 $0,05 \text{ m}^2\text{K/W}$

>75 m

EAN 5905167799208

EAN 5905167734728

EAN 5905167807262

>150 m

EAN 5905167807842

UNDERLAYS | 27

NEW TECHNOLOGY IN SECURA FLEX FAMILY

WE INTRODUCE FLEX TECHNOLOGY TO OUR NEWEST XPS UNDERLAYS

FLEX TECHNOLOGY prevents XPS underlays from cracking and improve comfort of instalment. Thanks to advanced elastic modifiers you can simply unfold the underlay and smoothly install floor.

Now our whole range of rolls in 2 mm and 1,6 mm thickness have benefit of FLEX Technology and improved quality of installation this products.

XPS underlays with 1,6 mm thickness are perfect solution for well prepared substrate.

BEST ALTERNATIVE FOR PE FOAM







Arbiton Mouse Asix

NEW





SECURA AQUASTOP FLEX

Material	XPS/PE	T	
Thickness	2,0 mn	n	
Form	Roll		
0	 		

13,6 m x 1,1 m	/ 15 m²

24 pcs

·
$360 \text{ m}^2 / 720 \text{ m}^2$



	CLASS PC2
VCP	(<1,6 mm)
PC	

1	CLASS CS2
kg	(<60 kPa)
CS	

J kg ↑	CLASS DL3
	(>250 000 CYCLES)
OL	

	CLASS RLB3 (≤1300 mm)
RLB	

<u>N</u>	<20 dB	

	<14%
RWS	

	0,074 m ² K/W
ア森	

	>150 m
_	

SECURA
FLEX

XPS
2,0 mm
Roll

15 m x 1,1 m / 16,5 m²

24 pcs 396 m² / 792 m²

25 344 m²

CLASS PC2 (<1,6 mm) CLASS CS2

CLASS DL3 (>250 000 CYCLES)

(<60 kPa)

CLASS RLB3 (≤1300 mm)

<14%

<20 dB

yes

SECURA LIGHT AQUASTOP FLEX

XPS/PET	
1,6 mm	
Roll	

9,1 m x 1,1 m / 10 m²

45 pcs

450 m² / 900 m²

CLASS PC2 (<1,1 mm)

28 800 m²

CLASS CS2 (<60 kPa)

CLASS DL3 (>250 000 CYCLES)

> CLASS RLB3 (≤1200 mm)

> > <19 dB

<14%

0,05 m²K/W

yes

>75 m

SECURA LIGHT FLEX

XPS

1,6 mm

Roll

18,2 m x 1,1 m / 20 m²

24 pcs

480 m² / 960 m²

30 720 m²

CLASS PC2 (<1,1 mm)

CLASS CS2 (<60 kPa)

CLASS DL3 (>250 000 CYCLES)

CLASS RLB3 (≤1200 mm)

<19 dB

<14%

yes

 $0,05 \text{ m}^2\text{K/W}$

EAN 5905167826720

EAN 5905167826690

yes

EAN 5905167826713

0,074 m²K/W

EAN 5905167826706

UNDERLAYS | 29

SECURA BASIC SOULTIONS

These are basic products available many years on the market in simple and recognizable by customers form.

Products from this family require additional damp foil.



REMEMBER to use damp foil and tape.









SECURA THERMO

Material

XPS

Thickness

1,6 mm

Form

Roll



15 m x 1,1 m / 16,5 m²



24 pcs



396 m² / 792 m²



25 344 m²



CLASS PC2 (<1,2 mm)



CLASS CS2 (<90 kPa)



CLASS DL3 (>250 000 CYCLES)



CLASS RLB3 (≤1300 mm)



<19 dB



<14%



yes



0,05 m²K/W



EAN 5905167748886



SECURA MAX

XPS

6 mm

Boards

0,79 m x 0,59 m / 6 m²

26 pcs

156 m²/ 312 m²

10 296 m²

CLASS PC3 (<5,6 mm)

CLASS CS2 (<90 kPa)

CLASS DL3 (>250 000 CYCLES)

CLASS RLB3 (≤1600 mm)

<22 dB

<10%

0,19 m²K/W

EAN 5905167748756



SECURA EXTRA

XPS

3 mm

Boards

0,79 m x 0,59 m / 6 m²

52 pcs

312 m² / 624 m²

20 592 m²

CLASS PC3 (<2,6 mm)

CLASS CS2 (<90 kPa)

CLASS DL3 (>250 000 CYCLES)

CLASS RLB3 (≤1600 mm)

<21 dB

<12%

0,11 m²K/W

-

EAN 5905167748800



FLOATING FLOOR - DEDICATED FOR ENGINEERED WOOD & SOLID WOOD





MULTIPROTEC ECO

This unique product is dedicated to solid wood floor and engineered wood. Main advantage is very quick installation. 3IN1 solution combines underlay with damp proof membrane and overlap with integrated tape.

It is CFC free, recyclable, toxicologically safe, freely disposable as household waste and does not pollute water.

Save the planet! Over 30% less carbon emissions.

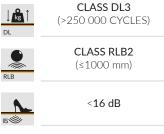
- > Polyurethane 1,5 mm acoustic underlay for floating laminate and parquet floors.
- > One of the quietest parquet and laminate underlays available.
- > Optimized to provide maximum insulation from walking sounds.
- > This underlay has achieved top performance values and is predestined for quality applications where high standards are required.
- > Improve your home and reduce floor noise up to 22%!





MULTIPROTEC

	ECO
Material	PUM/PET
Thickness	1,5 mm
Form	Roll
	8 m x 1 m / 8 m²
	40 pcs
	320 m²
FT	10 560 m²
PC	CLASS PC2 (<1,2 mm)
kg	CLASS CS3 (<310 kPa)
J kg ↑	CLASS DL3 (>250 000 CYCLES)



< 22%

yes

0,004 m²K/W

>75 m

EAN 5905167816875









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



LVT FLOOR FITTED DIRECTLY ON CERAMIC TILES

Check underlays with increased compressive strength as ideal solution for areas with high level of traffic

• MULTIPROTEC LVT HARDLAY









DRYBACK

If you are looking for a solution dedicated for commercial area, where you can quickly and comfortably arrange space, check our

- MULTIPROTEC LVT FASTLAY HD
- SECURA LVT FASTLAY SMART

ACOUSTIC COMFORT

Do not worry about comfort of your neighbours living below you – our XPS underlays with high IS value will reduce noise transferred through the floor system.

- SECURA LVT CLICK SMART N
- SECURA LVT CLICK SMART













The lower thermal resistance value the lower costs of underfloor heating system. Additionally our products has fire resistance class of Bfl -s1.

MULTIPROTEC LVT





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.



MULTIPROTEC HARDLAY

200 kPa

400 kPa

500 kPa









UNDERLAY 0.04 m²K/W



UNDERLAY 0,008 m²K/W

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.

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 anti-slip surface depending on the requirements of the floor producer.

OVERVIEW OF REQUIREMENTS FOR UNDERLAY



		Requirement	KPI	Description	Benefits for users	Minimum value	Recommended value
TIONS		PUNCTUAL CONFORMA- BILITY	PC	Smoothening 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	
MMFA BASIC RECOMMENDATIONS	FLOOR DURABILITY	COMPRESSIVE STRENGTH	kg	Compressive strength at deformation	Protection of locking system and against cracking	≥200 kPa	≥400 kPa
MMFA BA		DYNAMIC LOAD	<mark>↓ kg</mark> ↑	Resistance of the underlay against long-term dynamic load	Resistance to intensive usage	≥10 000 cycles	≥100 000 cycles
NOI.	SOMFORT	IMPACT SOUND REDUCTION	IS 👺	Transfered sound reduction	Sounds transfered to area below are muffled	≥10dB	≥18dB
ECOMMENDATION	ACOUSTIC COMFORT	RADIATED WALKING SOUND	RWS	Reflected walking sound emitted	Reduction of noises reflected from the floor f.e. steps		
TERS - MMFA RE	THERMAL	THERMAL BARRIER	◎ ✓ ド 森	Heat insulation*	Short time of warming up or cooling down the emiting floor, saving energy	H: ≥0,15 C: ≥0,10 m³K/W	
ADDITIONAL PARAMETERS - MMFA R	FLOOR HEATING	THERMAL RESISTANCE	<u>↑↑↑</u>	Usefulness for coverings with underfloor heating (H) or cooling (C)*	Less time required for heating up/cooling off; energy savings	≥0,075 m²K/W	
ADDIT	SUBSTRATE	WATER VAPOUR RESISTANCE	SD	Protection against residual moisture in substrate	Avoiding damp releted damages	≥75 m	

MULTIPROTEC LVT 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 will be used, do not worry, you are covered – our products also performs well with underfloor heating thanks to low value of thermal resistance.

- > 2in1 solution
 - underlay with integrated damp proof membrane
- > Fire resistance class Bfl -s1
- Ideal solution for underfloor heating
 - lowest thermal resistance
- > Highest CS value
 - perfect for areas with high traffic level

MULTIPROTEC LVT HARDLAY

This product (with Arbiton Amaron and Liberal collection) can be applied directly on ceramic tiles with joints up to 5 mm in width and 1 mm in depth without any additional leveling.





Bil-2





MULTIPROTEC LVT ANTISLIP

Material PUM
Thickness 1,6 mm
Form Roll

8,5 m x 1 m / 8,5 m²

40 pcs

340 m²

11 220 m²

CLASS PC2 (<1,4 mm)

> CLASS CS3 (<400 kPa)

CLASS DL3 (>400 000 CYCLES)

CLASS RLB3 (≤1500 mm)

<16 dB

- RWS

yes

0,008 m²K/W

• • •

EAN 5905167721230

MULTIPROTEC LVT

PUM/PET 1,4 mm Roll

8,5 m x 1 m / 8,5 m²

40 pcs

340 m²

11 220 m²

CLASS PC2 (<1,2 mm)

CLASS CS3 (<400 kPa)

CLASS DL3 (>400 000 CYCLES)

CLASS RLB3 (≤1500 mm)

<16 dB

0,008 m²K/W

yes

>75 m

EAN 5905167776339

MULTIPROTEC LVT HARDLAY

PUM/PET

1,1 mm

Roll

9 m x 1 m / 9 m²

40 pcs

360 m²

11 880 m²

CLASS PC1 (<0,6 mm)

CLASS CS3 (<500 kPa)

CLASS DL3 (>500 000 CYCLES)

> CLASS RLB2 (≤1000 mm)

> > <14 dB

yes

0,004 m²K/W

>75 m



SECURA LVT 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.

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

6,25 m²





SECURA LVT CLICK SMART

Material

XPS/PET

Thickness

1,5 mm

Form

Smart



5,30 m x 1,18 m / 6,25 m²



63 pcs



 $393{,}75\;m^2\:/\:787{,}5\;m^2$



25 200 m²



CLASS PC2 (<1,0 mm)



CLASS CS3 (<400 kPa)



CLASS DL3 (>400 000 CYCLES)



CLASS RLB3 (≤1500 mm)



<19 dB





yes



<0,04 m²K/W



>150 m

EAN 5905167816936



SECURA LVT CLICK SMART N

XPS/PET

1,5 mm

Smart

5,30 m x 1,18 m / 6,25 m²

63 pcs

 $393,75 \text{ m}^2 / 787,5 \text{ m}^2$

25 200 m²

CLASS PC2 (<1,0 mm)

CLASS CS3 (<400 kPa)

CLASS DL3 (>400 000 CYCLES)

> CLASS RLB3 (≤1500 mm)

> > <19 dB

yes

<0,04 m²K/W

>150 m

EAN 5905167816943



SECURA LVT CLICK SMART EASY N

XPS/PET

1,0 mm

Smart

5,30 m x 1,18 m / 6,25 m²

78 pcs

487,5 m² / 975 m²

31 200 m²

CLASS PC1 (<0,6 mm)

CLASS CS3 (< 400 kPa)

CLASS DL3 (>400 000 CYCLES)

> CLASS RLB3 (≤1300 mm)

> > <17 dB

yes

 $< 0.03 \text{ m}^2\text{K/W}$

>75 m



FASTLAY FAMILY

Underlay ideal for dryback floors. It can be used for quick renovation without interference in subsoil.

Minimum subsoil preparation (eliminates minor unevenness) and much quicker glue assembly.

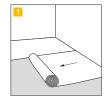
Innovative self-adhesive layer allows corrections up to 30 minutes after floor installation.







You do not need experience in fitting a floor to install the dryback floor on our fastlay mate. It is as easy as click system. It is ideal solution for do it yourself enthusiasts.









MULTIPROTEC LVT FASTLAY HD

Material

PUM/PET

Thickness

1,8 mm

Form

Roll



 $6 \, m \, x \, 1 \, m \, / \, 6 \, m^2$



40 pcs



240 m²



7920 m²



CLASS PC2 (<1,3 mm)



CLASS CS3 (<500 kPa)



CLASS DL3 (>500 000 CYCLES)



CLASS RLB3 (≤1500 mm)



<17 dB





yes



0,01 m²K/W



>75 m





SECURA LVT FASTLAY SMART

XPS/PET

1,0 mm

Smart

5,30 m x 1,18 m / 6,25 m²

42 pcs

262,5 m² / 787,5 m²

25 200 m²

CLASS PC1 (<0,6 mm)

CLASS CS3 (<400 kPa)

CLASS DL3 (>400 000 CYCLES)

> CLASS RLB3 (≤1300 mm)

> > <17 dB

_

yes

 $0,03 \text{ m}^2\text{K/W}$

>75 m





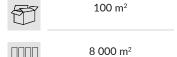


DAMP PROOF FOIL

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

Material	PEHD
Thickness	0,2 mm
111101111000	
Form	Roll
Thickness	,







EAN 5907584870584



DAMP PROOF FOIL

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

PEHD	
0,2 mm	
Pack	

15 m² (2 m x 7,5 m)

75m² (15 m² x 5 szt.)

12 000 m²

75

EAN 5907749007343



ALU TAPE

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

	-
	0,05 mm
	Roll
r\	25 1- (25 0 0 05)

25 mb (25,0 m x 0,05 m)

1 pcs.

2880 pcs

-



OVERVIEW

OVERVIEW								
							FT	PC
	Material	Thickness	Form	mm	pcs	m ²	m ²	mm
FLOATING FLOOR - LAMINATE & ENG	SINEERED WO	OOD						
MULTIPROTEC FAMILY								
MULTIPROTEC ABSOLUTE 3IN1	PUM/PET	3 mm	ROLL	5 000 x 1 000	40	200	6 600	PC3 (<2,3)
MULTIPROTEC ACOUSTIC 3IN1	PUM/PET	2 mm	ROLL	8 000 x 1 000	40	320	10 560	PC2 (<1,6)
MULTIPROTEC 1000 3IN1	PUM/PET	1,5 mm	ROLL	8 000 x 1 000	40	320	10 560	PC2 (<1,2)
OPTIMA FAMILY								
OPTIMA EXPERT AQUASTOP	PEHD/PET	2 mm	ROLL	10 000 x 1 000	30	300 /600	19 800	PC2 (<1,3)
OPTIMA THERMO AQUASTOP	PEHD/PET	1,5 mm	ROLL	10 000 x 1 000	48	480 / 960	31 680	PC2 (<1,2)
OPTIMA AQUASTOP	PEHD/PET	2 mm	ROLL	10 000 x 1 000	30	300 /600	19 800	PC2 (<1,3)
OPTIMA MAX	PEHD	2 mm	ROLL	10 000 x 1 000	30	300 /600	19 800	PC2 (<1,3)
SECURA SMART FAMILY								
SECURA MAX AQUASTOP SMART	XPS/PET	5 mm	SMART	4 700 x 1 180	32	176 / 352	11 264	PC3 (<4,6)
SECURA EXTRA AQUASTOP SMART	XPS/PET	3 mm	SMART	5 100 x 1 180	51	288 / 576	18 432	PC3 (<2,6)
SECURA AQUASTOP SMART	XPS/PET	2,2 mm	SMART	5 100 x 1 180	42	252 / 756	24 192	PC2 (<1,8)
SECURA THERMO AQUASTOP SMART	XPS/PET	1,6 mm	SMART	5 100 x 1 180	45	270 / 810	25 920	PC2 (<1,2)
SECURA FLEX FAMILY								
SECURA AQUASTOP FLEX	XPS/PET	2 mm	ROLL	13 640 x 1 100	24	360 / 720	23 040	PC2 (<1,6)
SECURA FLEX	XPS	2 mm	ROLL	15 000 x 1 100	24	396 / 792	25 344	PC2 (<1,6)
SECURA LIGHT AQUASTOP FLEX	XPS/PET	1,6 mm	ROLL	9 100 x 1 100	45	450 / 900	28 800	PC2 (<1,1)
SECURA LIGHT FLEX	XPS	1,6 mm	ROLL	18 200 x 1 100	24	480 / 960	30 720	PC2 (<1,1)
SECURA BASIC SOULTIONS								
SECURA THERMO	XPS	1,6 mm	ROLL	15 000 x 1 100	24	396 / 792	25 344	PC2 (<1,2)
SECURA MAX	XPS	6 mm	BOARDS	790 x 590	26	156 / 312	10 296	PC3 (<5,6)
SECURA EXTRA	XPS	3 mm	BOARDS	790 x 590	52	312 / 624	20 592	PC3 (<2,6)
FLOATING FLOOR - ENGINEERED & S	OLID WOOD							
MULTIPROTEC ECO	PUM/PET	1,5 mm	ROLL	8 000 x 1 000	40	320	10 560	PC2 (<1,2)
LVT & RIGID FLOORS								
MULTIPROTEC LVT FAMILY								
MULTIPROTEC LVT ANTISLIP	PUM	1,6 mm	ROLL	8 500 x 1 000	40	340	11 220	PC2 (<1,4)
MULTIPROTEC LVT	PUM/PET	1,4 mm	ROLL	8 500 x 1 000	40	340	11 220	PC2 (<1,2)
MULTIPROTEC LVT HARDLAY	PUM/PET	1,1mm	ROLL	9 000 x 1 000	40	360	11 880	PC1 (<0,6)
SECURA LVT FAMILY								
SECURA LVT CLICK SMART	XPS/PET	1,5 mm	SMART	5 300 x 1 180	63	393,75 / 787,5	25 200	PC2 (<1,0)
SECURA LVT CLICK SMART N	XPS/PET	1,5 mm	SMART	5 300 x 1 180	63	393,75 / 787,5	25 200	PC2 (<1,0)
SECURA LVT CLICK SMART EASY N	XPS/PET	1 mm	SMART	5 300 x 1 180	78	487,5 / 975	31 200	PC1 (<0,6)
FASTLAY FAMILY				100		,_ , , , ,	5	
MULTIPROTEC LVT FASTLAY HD	PUM/PET	1,8 mm	ROLL	6 000 x 1 000	40	240	7 920	PC2 (<1,3)
SECURA LVT FASTLAY SMART	XPS/PET	1,0 mm	SMART	5 300 x 1 180	42	262,5 / 787,5	25 200	PC1 (<0,6)
	ALD/TEL	T 111111	DIVIMNI	2 200 V I 100	42	202,37707,3	23 200	. 51 (5,5)



















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		30	45.0		KVVS	13	KLD	DL	CS
	EAN	m	m^2K/W	Floor heating	%	dB	mm	cycles	kPa
R - LAMINATE & ENGINEERED WOOD	FLOATING FLOO								
MULTIPROTEC FAMILY									
MULTIPROTEC ABSOLUTE 3IN1	5905167816868	>150	< 0,01	yes	30	21	RLB2 (≤1000)	DL3 (>250 000)	CS2 (<100)
MULTIPROTEC ACOUSTIC 3IN1	5905167816851	>150	< 0,01	yes	28	20	RLB2 (≤1000)	DL3 (>250 000)	CS3 (<250)
MULTIPROTEC 1000 3IN1	5905167816844	>150	< 0,006	yes	22	16	RLB2 (≤1000)	DL3 (>250 000)	CS3 (<310)
OPTIMA FAMILY									
OPTIMA EXPERT AQUASTOP	5905167778784	>150	< 0,05	yes	22	19	RLB3 (≤1300)	DL2 (>100 000)	CS2 (<70)
OPTIMA THERMO AQUASTOP	5905167778791	>150	< 0,03	yes	16	18	RLB3 (≤1300)	DL2 (>100 000)	CS2 (<60)
OPTIMA AQUASTOP	5905167778777	>150	< 0,04	yes	20	19	RLB3 (≤1500)	DL2 (>100 000)	CS2 (<60)
OPTIMA MAX	5905167779316	-	< 0,04	yes	20	19	RLB3 (≤1500)	DL2 (>100 000)	CS2 (<60)
SECURA SMART FAMILY									
SECURA MAX AQUASTOP SMART	5905167734728	>150	< 0,18	=	10	22	RLB3 (≤1600)	DL3 (>250 000)	CS2 (<90)
SECURA EXTRA AQUASTOP SMART	5905167807262	>150	< 0,11	=	12	21	RLB3 (≤1600)	DL3 (>250 000)	CS2 (<90)
SECURA AQUASTOP SMART	5905167807842	>150	< 0,08	=	14	20	RLB3 (≤1500)	DL3 (>250 000)	CS2 (<90)
SECURA THERMO AQUASTOP SMART	5905167799208	>75	< 0,05	yes	14	19	RLB2 (≤1200)	DL3 (>250 000)	CS2 (<90)
SECURA FLEX FAMILY									
SECURA AQUASTOP FLEX	5905167826690	>150	< 0,074	yes	14	20	RLB3 (≤1300)	DL3 (>250 000)	CS2 (<60)
SECURA FLEX	5905167826713	-	< 0,074	yes	14	20	RLB3 (≤1300)	DL3 (>250 000)	CS2 (<60)
SECURA LIGHT AQUASTOP FLEX	5905167826706	>75	< 0,05	yes	14	19	RLB3 (≤1200)	DL3 (>250 000)	CS2 (<60)
SECURA LIGHT FLEX	5905167826720	-	< 0,05	yes	14	19	RLB3 (≤1200)	DL3 (>250 000)	CS2 (<60)
SECURA BASIC SOULTIONS									
SECURA THERMO	5905167748886	-	< 0,05	yes	14	19	RLB3 (≤1300)	DL3 (>250 000)	CS2 (<90)
SECURA MAX	5905167748756	-	< 0,19	-	10	22	RLB3 (≤1600)	DL3 (>250 000)	CS2 (<90)
SECURA EXTRA	5905167748800	-	< 0,11	-	12	21	RLB3 (≤1600)	DL3 (>250 000)	CS2 (<90)
LOOR - ENGINEERED & SOLID WOOD	FLOATING F								
MULTIPROTEC ECO	5905167816875	>75	< 0,004	yes	22	16	RLB2 (≤1000)	DL3 (>250 000)	CS3 (<310)
LVT & RIGID FLOORS									
MULTIPROTEC LVT FAMILY									
MULTIPROTEC LVT ANTISLIP	5905167721230	-	< 0,008	yes	-	16	RLB3 (≤1500)	DL3 (>400 000)	CS3 (<400)
MULTIPROTEC LVT	5905167776339	>75	< 0,008	yes	-	16	RLB3 (≤1500)	DL3 (>400 000)	CS3 (<400)
MULTIPROTEC LVT HARDLAY	5905167816912	>75	< 0,004	yes	-	14	RLB2 (≤1000)	DL3 (>500 000)	CS3 (<500)
SECURA LVT FAMILY									
SECURA LVT CLICK SMART	5905167816936	>150	< 0,04	yes	-	19	RLB3 (≤1500)	DL3 (>400 000)	CS3 (<400)
SECURA LVT CLICK SMART N	5905167816943	>150	< 0,04	yes	-	19	RLB3 (≤1500)	DL3 (>400 000)	CS3 (<400)
SECURA LVT CLICK SMART EASY N	5905167816950	>75	< 0,03	yes	-	17	RLB3 (≤1300)	DL3 (>400 000)	CS3 (<400)
FASTLAY FAMILY									
MULTIPROTEC LVT FASTLAY HD	5905167816967	>75	< 0,01	yes	-	17	RLB3 (≤1500)	DL3 (>500 000)	CS3 (<500)
SECURA LVT FASTLAY SMART	5905167803547	>75	< 0,03	yes	-	17	RLB3 (≤1300)	DL3 (>400 000)	CS3 (<400)
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