»EQUIPPED«

Accessories for floor coverings

For a perfect floor covering

For a long-lasting new floor, it is important to support with the right accessories.

With "EQUIPPED" Koczwara offers a range of flooring accessories from impact sound underlay, to skirtings, clip systems, corners and much more. The core competence of Koczwara lies in the development of innovative and high quality products since 2002. Flexible production allows us to respond to market trends at any time.

With the "EQUIPPED" range, you will find everything you need to add those all-important, professional looking finishing touches. For the perfect flooring finish you need more than just the perfect floor, discover Koczwara's "EQUIPPED" accessories range.





OUR IMPACT NOISE UNDERLAYS ARE PLASTICIZER-FREE!

Impact sound – Require Impact sound insulations Impact sound insulation Aqua Protect vapour bar Assortment overview -Assortment overview -Skirtings, corners, conr



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Proven quality

Impact sound underlays create the perfect barrier between your new floor and the subfloor underneath, easing the daily stresses and supporting the longevity of your floor. Our products meet all the requirements of the EPLF (Association of European Laminate Flooring Manufacturers) and the MMFA (Association of Multilayer Modular Flooring).



THERMAL RESISTANCE (R) -**FLOOR HEATING**

For rooms with underfloor heating, the thermal resistance of the underlay should be as low as possible (e.g. 0.01 s^{qm} K/W) so that the heat can be evenly distributed. The lower the thermal resistance, the more suitable the impact sound underlay is for use with underfloor heating systems.





m m f a

EPLF





ìì

THERMAL RESISTANCE (R) -

Rooms that are above a basement or a garage require impact sound

0.075 s^{qm} K/W) to ensure thermal insulation. The greater the thermal

underlay with with the highest possible thermal resistance (e.g.

HEAT INSULATION

resistance, the greater the thermal insulation.

0.0145 sqmK/W

OUR RECOMMENDATION FOR LAMINATE









0.03 sqmK/W



Impact sound underlays – requirements

WALKING SOUND (RWS)

0

The sound that is created as you walk through a room on your floor. The higher the reduction of the walking sound (%), the better the room acoustics.

OUR RECOMMENDATION FOR VINYL





OUR RECOMMENDATION

FOR LAMINATE

FOOTSTEP SOUND (IS)

This refers to the noise created by your footsteps in one room that can be heard in another, usually the rooms below. This is a particularly important consideration within busy multi-storey family homes. The higher the value of the impact sound underlay, the more effective it will be in reducing this residual noise in other

rooms in your home.

OUR RECOMMENDATION FOR LAMINATE



19 dB

OUR RECOMMENDATION FOR VINYL



18 dB



Long live the ground

Not only does impact sound underlay reduce the level of footstep sound noise as you walk through your home and support better heat distribution and insulation, it also offers greater protection and support for the floor from heavy and falling objects by cushioning the impact and weight. Furthermore, it balances out a certain level of unevenness and offers protection from rising moisture.



FIRE BEHAVIOUR (RTF)

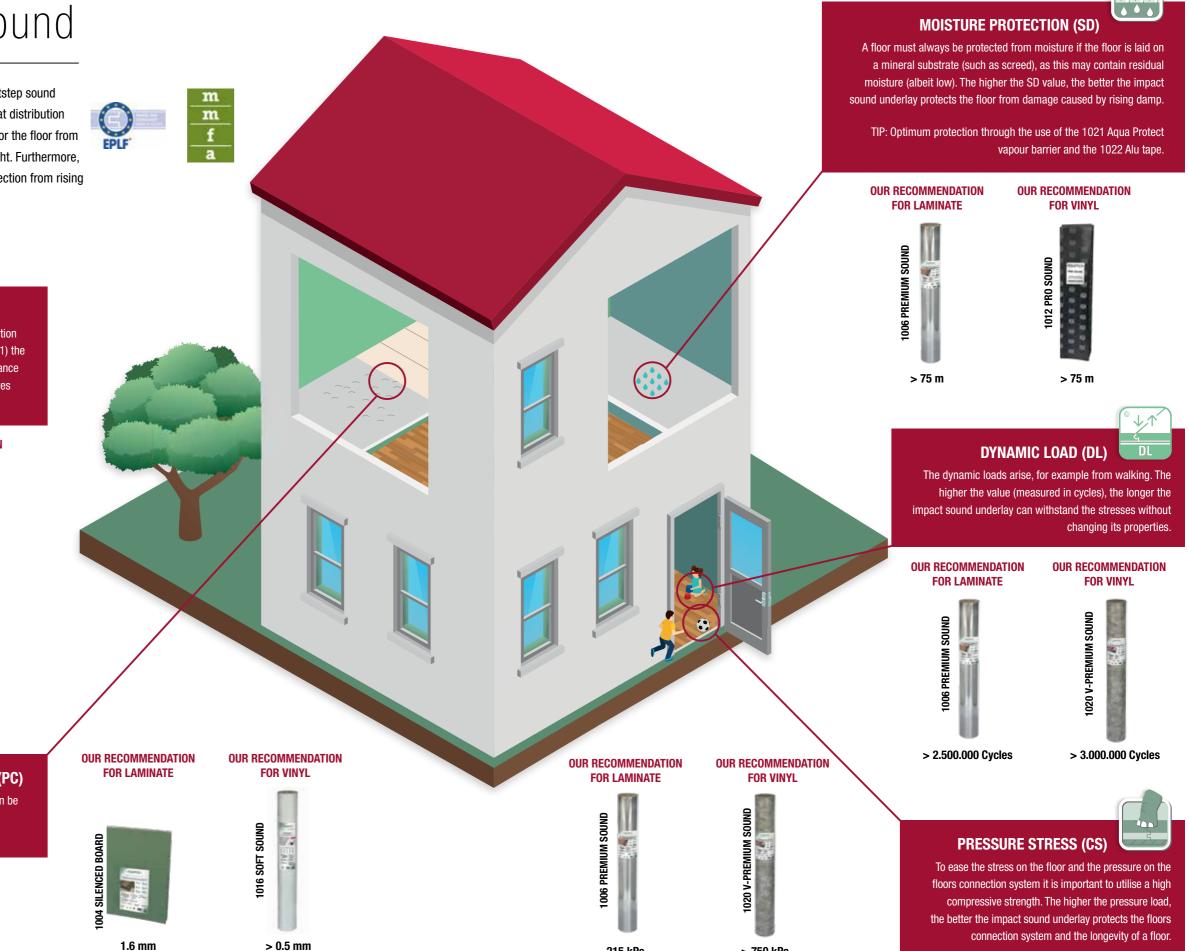
Impact sound underlays can be classified by various fire protection certificates. The higher the fire protection certificate (e.g., Bfl-s1) the less flame retardant the material is. This is of particular importance for use in public areas such as: events centres, exhibition centres construction sites and theatres.





COMPENSATION OF UNEVENNESS (PC)

If the ground is uneven by screed grains, minor unevenness can be compensated by the use of impact sound underlay. The higher the PC value, the better the ability to compensate.



215 kPa

> 750 kPa

Impact sound underlays – requirements





	1002 BASIC FO	AM 2 mm			1017 PREMIUM
	Thickness	2.00 mm	PRODUCT HIGHLIGHTS*	PRODUCT HIGHLIGHTS*	Thickness
	Content	1 x 25 m = 25 sqm	Very good footstep sound insulation	Very good footstep sound insulation	Content
	Material	Polyethylene (PE)	Very good suitable for underfloor	Very good suitable for underfloor heating	Material
1	Area of application	Laminate and parquet floors	heating	Excellent compensation of unevenness	Area of application
	Footstep sound insulation (IS)	★★★ 18 dB			Footstep sound insulation (IS)
	Underfloor heating suitable (R)	★ ★ ★ 0.038 sqm K/W			Underfloor heating suitable (R)
					Compensation of unevenness (PC)



				_
	1003 BASIC FO	AM 3 mm		
	Thickness	3.00 mm	PRODUCT HIGHLIGHTS*	PRODUCT HIGHLIG
	Content	1 x 25 m = 25 sqm	Very good footstep sound insulation	Very good footstep sound insulation
	Material	Polyethylene (PE)	Very good compensation of unevenness	Very good reduction of walking noise
l	Area of application	Laminate and parquet floors		Very good suitable fo
	Footstep sound insulation (IS)	★ ★ ★ 19 dB	ÉMISSIONS DANS L'AIR INTÉRIEUR-	underfloor heating For heavy used rooms
	Compensation of unevenness (PC)	★ ★ ★ >1.00 mm		Excellent compensation

1018 PREMIUM FOAM BLUE

PRODUCT HIGHLIGHTS*	Thickness	2.00 mm
d footstep sound insulation \mathbf{V}	Content	1 x 25 m = 25 sqm
Very good reduction 🗹 of walking noise	Material	Polyethylene (PE)
Very good suitable for 🗹 underfloor heating	Area of application	Laminate and parquet floors
For heavy used rooms 🗹	Footstep sound insulation (IS)	★ ★ ★ 19 dB
Excellent compensation 🗹 of unevenness	Walking sound insulation (RWS)	★ ★ ★ 20 %
Very good resistance to 🗹 dynamic loads	Underfloor heating suitable (R)	★ ★ ★ 0.038 sqm K/W
	Pressure stress (CS)	★ ★ ★ 60 kPa
Emissions dans L'AIR INTÉRIEUR	Compensation of unevenness (PC)	★ ★ ★ ★ ≥ 1.30 mm
	Dynamic load (DL)	★ ★ ★ > 100,000 Cycles



Thickness	2.00 mm	
Content	1 x 15 m = 15 sqm	
Material	Polyethylene (PE) / Aluminum (Alu)	
Area of application	Laminate and parquet floors	
Footstep sound insulation (IS)	★ ★ ★ 18 dB	
Moisture protection (SD)	★ ★ ★ > 75 m	
Compensation of unevenness (PC)	★★★★ 1.55 mm	

PRODUCT HIGHLIGHTS*

- Very good footstep sound insulation
- Excellent protection against rising damp thanks to integrated vapor barrier
- Excellent compensation of unevenness



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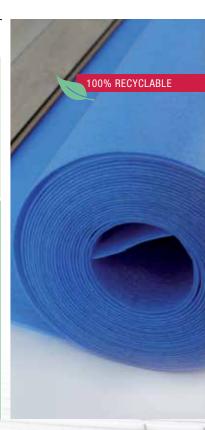
suitable

well suited

Impact sound insulation for LAMINATE & PARQUET FLOORS

Μ	FOAM GREY
	2.00 mm
	1 x 25 m = 25 sqm
	Polyethylene (PE)
	Laminate and parquet floors
S)	★★★ 19 dB
R)	★★★ 0.038 sqm K/W
	★ ★ ★ ★ ≥ 1.40 mm





Impact sound insulation for LAMINATE & PARQUET FLOORS



1010 BASIC SILENT		
Thickness	2.00 mm	PRODUCT HIGHLIGHTS*
Content	1.1 x 15 m = 16.5 sqm	Very good footstep sound insulation
Material	XPS foam	Very good heat insulation
Area of application	Laminate and parquet floors	For heavy used rooms
Footstep sound insulation (IS)	★★★ 19 dB	Very good resistance to dynamic loads
Thermal resistance (R)	★ ★ ★ 0.075 sqm K/W	
Pressure stress (CS)	★★★ 90 kPa	EMISSIONS DANS LIAIR INTÉRIEUR-
Dynamic load (DL)	★ ★ ★ > 250,000 Cycles	



1004 SILENCED BOARD	
Thickness	4.00 mm
	15 platas à

Content	15 plates à 0.59 x 0.79 m = 7 sqm	Very good footstep sound insulation
Material	wood fiber	For very strong used rooms
Area of application	Laminate and parquet floors	Excellent compensation of unevenness
Footstep sound insulation (IS)	★★★ 19 dB	Very good resistance to
Pressure stress (CS)	★ ★ ★ ★ 147 kPa	dynamic loads
Compensation of unevenness (PC)	★★★★ 1.6 mm	
Dynamic load (DL)	★ ★ ★ > 150,000 Cycles	





Very good reduction of walking noise Material

- Excellent suitable for underfloor heating
 - Excellent protection against rising damp thanks to integrated vapor barrier
 - For very strong used rooms
 - Very good compensation of Underfloor heating suitable (R) unevenness
 - Excellent resistance 🗹 to dynamic loads



Thickness

Material

Area of application

Footstep sound insulation (

Walking sound insulation (RV

Underfloor heating suitable

Moisture protection (SD)

Pressure stress (CS)

Compensation of

PRODUCT HIGHLIGHTS*

- Very good footstep sound insulation $\mathbf{\underline{V}}$ Content
 - Very good reduction \mathbf{V} of walking noise
- Excellent suitable for underfloor heating
 - Excellent protection against rising damp thanks to integrated vapor barrier
 - For very strong 🗹 used rooms
 - Excellent compensation of unevenness
 - Very good resistance to \mathbf{V} dynamic loads







🚖 well suited

PRODUCT HIGHLIGHTS*

Impact sound insulation for LAMINATE & PARQUET FLOORS

1006 PREMIUM SOUND

Thickness	1.8 mm
Content	1 x 8.5 m = 8.5 sqm
Material	Polyurethane (PU) / Aluminum (Alu)
Area of application	Laminate and parquet floors
Footstep sound insulation (IS)	★★★ 18 dB
Walking sound insulation (RWS)	* * * 25 %
Underfloor heating suitable (R)	★ ★ ★ ★ 0.01 sqm K/W
Moisture protection (SD)	★ ★ ★ ★ > 75 m
Pressure stress (CS)	★ ★ ★ ★ 215 kPa
Compensation of unevenness (PC)	★★★ 1.02 mm
Dynamic load (DL)	★ ★ ★ ★ > 2,500,000 Cycles



1023 SUPERIOR PREMIUM SOUND

2.8 mm

 $1 \times 5.5 \text{ m} = 5.5 \text{ sqm}$

Polyurethane (PU) / Aluminum (Alu)

Laminate and parquet floors

S)	★ ★ ★ 19 dB
NS)	★ ★ ★ 30 %
R)	★ ★ ★ ★ 0.01 sqm K/W
	★ ★ ★ ★ > 75 m
	★ ★ ★ ★ 120 kPa
	★★★★ 1.70 mm
	★ ★ ★ > 100,000 Cycles





Impact sound insulation for **CLICK-VINYL & DESIGN FLOORS**

	1016 SOFT SOUND		
PRODUCT HIGHLIGHTS*	Thickness	1.2 mm	
Very good footstep sound insulation \mathbf{V}	Content	1 x 15 m = 15 sqm	
Excellent suitable for underfloor heating 🗹	Material	Polyester fiber fleece	
For very strong used rooms 🗹	Area of application	Click-vinyl floors / design floors	
	Footstep sound insulation (IS)	🖈 🖈 🖈 18 dB	
	Underfloor heating suitable (R)	🖈 🖈 🖈 🖈 0.024 sqm K/W	
	Pressure stress (CS)	🖈 🖈 🖈 🛠 400 kPa	

	1012 PRO SOUND		
PRODUCT HIGHLIGHTS*	Thickness	1.00 mm	
Very good footstep sound insulation \mathbf{V}	Content	1.18 x 8.5 m = 10.03 sqm	
Very good suitable for 🗹 underfloor heating	Material	XPS / PET	
Excellent protection against 🗹	Area of application	Click-vinyl floors / designfloors	
rising damp	Footstep sound insulation (IS)	🖈 🖈 🖈 15.5 dB	
For heavy used rooms 🗹	Underfloor heating suitable (R)	🖈 🖈 🖈 0.03 sqm K/W	
Very good resistance to dynamic loads	Moisture protection (SD)	☆ ☆ ☆ ☆ > 75 m	
ALUE ANDER	Pressure stress (CS)	🖈 🖈 🖈 392 kPa	
(www.tauer-engel.de/u;156)	Dynamic load (DL)	☆ ☆ ☆ > 100,000 Cycles	

1019 V-PROTECT

PRODUCT HIGHLIGHTS*	Thickness
Very good footstep sound insulation $oxtimes$	Content
Excellent suitable for underfloor heating \mathbf{V}	Material
For heavy used rooms 🗹	Area of application
Very good resistance to $oxdot$	Footstep sound insulation (IS)
dynamic loads	Underfloor heating suitable (R)
ÉMISSIONS DANS L'AIR INTÉMEUR-	Pressure stress (CS)
	Dynamic load (DL)

★ ★ well suited

\star suitable

Impact sound insulation for CLICK-VINYL & DESIGN FLOORS









 $\star \star \star$ very good suitable



 $\star \star \star \star \star$ excellent suited



1009 **V-SOUND**

Thickness	1.00 mm
Content	1 x 12.5 m = 12.5 sqm
Material	Polyolefin (PO)
Area of application	Click-vinyl floors / design floors
Footstep sound insulation (IS)	🖈 🖈 🖈 18 dB
Walking sound insulation (RWS)	* * * * 40%
Underfloor heating suitable (R)	🖈 🖈 🖈 🔅 0.02 sqm K/W
Moisture protection (SD)	🖈 🖈 🖈 🖈 > 75 m
Pressure stress (CS)	🖈 🖈 🖈 🛠 490 kPa
Dynamic load (DL)	🖈 🖈 🖈 > 250,000 Cycles

Very good footstep sound insulation
Very good reduction of walking noise
Excellent suitable for underfloor heating
Excellent protection against rising damp
For very strong used rooms

PRODUCT HIGHLIGHTS*

Very good resistance to dynamic loads

90% OF NATURAL RAW MATERIALS

1020 V-PREMIUM SOUND				
Thickness	1.00 mm	PRODUCT HIGHLIGHTS*		
Content	1 x 10 m = 10 sqm	Very good footstep sound insulation		
Material	Polyurethane (PU) / fleece	Excellent reduction of impact walking noise		
Area of application	Click-vinyl floors / design floors	Excellent suitable for underfloor		
Footstep sound insulation (IS)	🖈 🖈 🖈 up to 15 dB	heating		
Walking noise reduction	🖈 🖈 🖈 up to 12 %	For very strong used rooms		
Underfloor heating suitable (R)	🖈 🖈 🖈 🛠 0.01 sqm K/W	Excellent resistance to dynamic loads		
Pressure stress (CS)	☆ ☆ ☆ ☆ > 750 kPa	MADE IN GERMANY		
Dynamic load (DL)	> 3,000,000 Cycles			
		www.blauer-engel.do/u2156		

The Aqua Protect is a thin vapour barrier that can be installed under all hard floors. It separates the floor covering from the screed and prevents moisture from rising from the substrate and damaging the floor covering.

1021 AQUA PROTECT			
EAN	4250055109319		
Thickness	160µ		
Content	15 x 2 m = 30 sqm		
Grammage	0.14 kg/sqm		
Material	LDPE-Film (Soft-Polyethylene)		
Packaging	Roll		
Pallet size	100 Rolls = 3.000 sqm		
Underfloor heating suitable (R)	0.001 sqm K/W		
Moisture protection (SD)	> 100 m		

The aluminium tape is a special sealing tape to seal the edges of underlay. Furthermore, it is necessary for all underlay with an integrated vapour barrier.

1022 ALU TAPE			
EAN	4250055109326		
Thickness	0.05 mm		
Content	0.038 x 20 m = 0.76 sqm		
Grammage	0.14 kg/sqm		
Material	PP film		
Packaging	Roll		
Pallet size	4.608 Rolls = 3.502 sqm		



The world's most successful ecolabel guarantees that "EQUIPPED" products meet the high standards of environmental, health and performance characteristics and are particularly low in emissions.

BLUE ANGEL

AQUA PROTECT & ALU TAPE

Other accessories





Seals & certificates



A+

EQUIPPED products are classified as A + according to the VOC emission standard.

Assortment overview LAMINATE & PARQUET UNDERLAYS

Product

Acoustics

Usage

Underground









	1002 Basic Foam 2mm	1003 Basic Foam 3mm	1014 Basic Foam Plus	1017 Premium foam Grey
EAN	4250055105007	4250055109333	4250055106424	4250055109272
Thickness	2.00 mm	3.00 mm	2.00 mm	2.00 mm
Content	1 x 25 m = 25 sqm	1 x 25 m = 25 sqm	1 x 15 m = 15 sqm	1 x 25 m = 25 sqm
Grammage	0.04 kg/sqm	0.06 kg/sqm	0.07 kg/sqm	0.14 kg/sqm
Material	Polyethylene (PE)	Polyethylene (PE)	Polyethylene (PE) / Aluminum (Alu)	Polyethylene (PE)
Area of application	Laminate and parquet floors	Laminate and parquet floors	Laminate and parquet floors	Laminate and parquet floors
Packaging	Roll	Roll	Roll	Roll
Pallet size	40 Rolls = 1.000 sqm	36 Rolls = 900 sqm	24 Rolls = 360 sqm	32 Rolls = 800 sqm
Footstep sound insulation (IS)	18 dB	19 dB	18 dB	19 dB
Walking sound insulation (RWS)	-	-	-	7%
Pressure stress (CS)	10 kPa	10 kPa	10 kPa	50 kPa
Dynamic load (DL)	-	-	< 10,000 Cycles	> 50,000 Cycles
Fire behavior (RTF)	Efi	Efl	Efl	Efi
Thermal- resistance (R)	0.038 sqm K/W	0.057 sqm K/W	0.05 sqm K/W	0.038 sqm K/W
Compensation of unevenness (PC)	-	> 1.00 mm	1.55 mm	≥ 1.40 mm
Moisture protection (SD)	-	-	> 75 m	-

1018 Premium Foam Blue	1010 Basic Silent	1004 Silenced Board	1006 Premium Sound	1023 Superior Premium Sound		
4250055109289	4250055104345	4250055105038	4250055101900	4250055109654	EAN	
2.00 mm	2.00 mm	4.00 mm	1.80 mm	2.80 mm	Thickness	
1 x 25 m = 25 sqm	1.1 x 15 m = 16.5 sqm	15 plates à 0.59 x 0.79 m = 7 sqm	1 x 8.5 m = 8.5 sqm	1 x 5.5 m = 5.5 sqm	Content	
0.20 kg/sqm	0.09 kg/sqm	1.28 kg/sqm	1.50 kg/sqm	2.40 kg/sqm	Grammage	
Polyethylene (PE)	XPS foam	Wood fiber	Polyurethane (PU) / Aluminium (Alu)	Polyurethane (PU) / Aluminium (Alu)	Material	Product
Laminate and parquet floors	Laminate and parquet floors	Laminate and parquet floors	Laminate and parquet floors	Laminate and parquet floors	Area of application	
Roll	Roll	Plate	Roll	Roll	Packaging	
24 Rolls = 360 sqm	24 Rolls = 396 sqm	32 Packs = 223.73 sqm	40 Rolls = 340 sqm	40 Rolls = 220 sqm	Pallet size	
19 dB	19 dB	19 dB	18 dB	19 dB	Footstep sound insulation (IS)	Acoustics
20%	14%	-	25%	30%	Walking sound insulation (RWS)	ACOUSTICS
60 kPa	90 kPa	147 kPa	215 kPa	120 kPa	Pressure stress (CS)	
> 100,000 Cycles	> 250,000 Cycles	> 150,000 Cycles	> 2.500,000 Cycles	> 100,000 Cycles	Dynamic load (DL)	Usage
Efl	Efl	Efl	BfI-S1	Bfl-S1	Fire behavior (RTF)	
0.038 sqm K/W	0.075 sqm K/W	0.06 sqm K/W	0.01 sqm K/W	0.01 sqm K/W	Thermal- resistance (R)	
≥ 1.30 mm	1.00 mm	1.60 mm	1.02 mm	1.70 mm	Compensation of unevenness (PC)	Under- ground
-	-	-	> 75 m	> 75 m	Moisture protection (SD)	



Assortment overview LAMINATE & PARQUET UNDERLAYS

Assortment overview CLICK-VINYL Underlays



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1019 V-PROTECT	1009 V-SOUND	1020 V-PREMIUM SOUND		
4250055109296	4250055104338	4250055112715	EAN	
1.00 mm	1.00 mm	1.00 mm	Thickness	
1 x 15 m = 15 sqm	1 x 12.5 m = 12.5 sqm	1 x 10 m = 10 sqm	Content	
0.30 kg/sqm	0.23 kg/sqm	1.20 kg/sqm	Grammage	
Polyethylene (PE)	Polyolefin (PO)	Polyurethane (PU) / fleece	Material	Product
click-vinyl floors	click-vinyl floors / design floors	click-vinyl floors / design floors	Area of application	
Roll	Roll	Roll	Packaging	
40 Rolls = 600 sqm	64 Rolls = 800 sqm	54 Rolls = 540 sqm	Pallet size	
≥ 18 dB	18 dB	up to 15 dB	Footstep sound insulation (IS)	Acoustics
6 %	40 %	up to 12 %	Walking sound insulation (RWS)	ACOUSTICS
≥ 200 kPa	490 kPa	> 750 kPa	Pressure stress (CS)	
≥ 100,000 Cycles	> 250,000 Cycles	> 3,000,000 Cycles	Dynamic load (DL)	Usage
Efl	Efl	Efi	Fire behavior (RTF)	
0.0145 sqm K/W	0.02 sqm K/W	0.01 sqm K/W	Thermal- resistance (R)	
0.50 mm	≥ 0.50 mm	≈ 0.20 mm	Compensation of unevenness (PC)	Under- ground
-	> 75 m	-	Moisture protection (SD)	

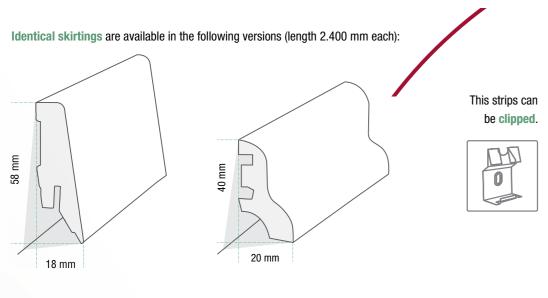
		1016 SOFT SOUND	1012 PRO SOUND
	EAN	4250055108466	4250055105366
	Thickness	1.20 mm	1.00 mm
	Content	1 x 15 m = 15 sqm	1.18 x 8.5 m = 10.03 sqm
	Grammage	0.15 kg/sqm	0.192 kg/sqm
Product	Material	Polyester fiber fleece	XPS / PET
	Area of application	click-vinyl floors / design floors	click-vinyl floors / design floors
Packagi	Packaging	Roll	Folding plate
	Pallet size	40 Rolls = 600 sqm	42 Pack = 421.26 sqm
Acoustics	Footstep sound insulation (IS)	18 dB	15 dB
Acoustics	Walking sound insulation (RWS)	-	-
	Pressure stress (CS)	400 kPa	400 kPa
Usage	Dynamic load (DL)	-	> 400,000 Cycles
	Fire behavior (RTF)	Efi	Efi
	Thermal- resistance (R)	0.024 sqm K/W	0.03 sqm K/W
Under- ground	Compensation of unevenness (PC)	> 0.50 mm	0.80 mm
Moisture protection (SD)		-	> 75 m



Assortment overview CLICK-VINYL UNDERLAYS

For the perfect finish

A beautiful floor is only complete when the fitting along the walls is correct. Therefore, each CHECK and JANGAL floor has a decorative trim bar that allows you to make a cable disappear behind it. The matching skirting boards are available in a height of 40 mm or 58 mm.

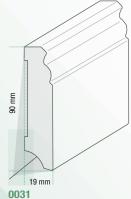


In addition, both skirtings are also available as white ones (length 2.400 mm each):

0027 Skirting white 58 mm EAN 4250055101405

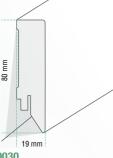
0026 Skirting white 40 mm EAN 4250055101221

We have white skirtings available in the following versions with a length from 2.500 mm:

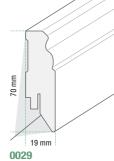


8 19 mm 0030

Berliner Skirting 90 mm EAN 4250055101733



Weimarer Skirting 80 mm EAN 4250055101726



Berliner Skirting 70 mm EAN 4250055101719







17 mm 0032 Floor Beading Trim 17 mm

EAN 4250055101740

Clip systems help to secure the skirtings to the wall while cabling can be elegantly hidden behind the skirtings. If the baseboards need to be removed, it is possible to do so without damaging the wallpaper. Due to the quick and easy disassembly, the flooring can be cut without issue.



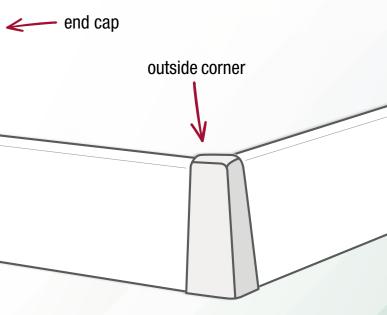
Shock and scratch resistant

Corners, connectors & end caps

Corners, connectors & end caps

Corners, connectors & end caps

for 40 mm skirtings In order to avoid unsightly bumps from side-by-side strips or to save on mitring, we recommend installing inside or outside corners and connectors. Rounded off by end caps on protrusions or doorframes, the range offers everything needed outside corner to complete the installation with a professional looking finish. connector inside corner end cap 4 outside corner connector Corners, connectors & end caps for 58 mm skirtings end cap inside corner BEFESTIGUNGS KLIPSE FÜR SOCKELLEISTEN All corners, connectors and end caps are available in the following colours: Grey Silver Black White Maple 0ak Walnut Beech Grey 23





»EQUIPPED«

Our team is here for you.

Send us your requirements and we will solve them. Our logistics and sales network can handle almost any task.

> EQUIPPED is a brand of: Koczwara Vertriebs-GmbH Scheuten-Solar-Str. 2 45881 Gelsenkirchen Germany



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