



CATALOGUE

UNDERLAYMENT

for floating flooring

ENJOY YOUR FLOORING

"Our standard is a perfectly functioning floor system – that's what we want to achieve with every effort."



Our mission

On closer consideration, underlayment serve for establishing the connection between the substrate and the floor covering as part of the floor system.

The great significance of an underlayment for the quality of living and the durability of the floor covering can only be seen when one devotes more attention to the topic. And this is exactly what we do day after day, and with a lot of passion.

Our incentive is to contribute to a perfectly functioning floor system with our products. A floor system that defies the daily challenges without compromises – for more enjoyment of the flooring.

Roland Skibbe

Frank Filbir

Hubert Bosten

– Management SELIT –



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Quality and durability that set us apart

For 40 years, the name SELIT stands for synthetic foams at the highest quality level. Over the years, we have perfected our process technology and developed into a specialist for underlayment of floating floors.

A sustainable and ecologically aware approach to production and administration are key factors of SELIT's business development.

We combine ecological, economic and social sustainability. By introducing a certified energy management system in 2013, SELIT has already implemented a more efficient use of energy resources in the company than those that are requested for a sustainable use of resources today.

Thanks to a state-of-the-art recycling system, production-related foam waste is shredded, melted and returned to the production process as regranulate fully automatically since 2009. Our recycling rate is 95%.

We also pay attention to the ecological friendliness of our products. We only use materials that are as less as possible harmful to the environment. Our underlayment is completely recyclable and made with recycled material. In addition, our low-emission underlayment has been awarded the Blue Angel for being exceptionally environmental and health friendly.



Projects in the area of energy management ISO 50001

- Recovery of process heat for heating the production installations
- Open-air cooling systems contribute to optimising energy requirements
- Energy-efficient LED hall lighting
- Energetic roof and façade renovation
- Photovoltaic system for own power production

Our Green Story

A clear commitment to sustainable business practices is more important today than ever before. At SELIT, we stand by our responsibility for people and the environment. To meet it, we are continuously working to reduce our energy consumption, cut waste and develop new, environmentally friendly products.

Our path to a reduced footprint is shown in this video.



This is what distinguishes our products:



Our core range is certified by TÜV Rheinland with regard to functionality, quality and usability – as the first installation underlays worldwide.



In accordance with the French VOC regulation, our installation underlays achieve the lowest emission values and thus carry the A+ label.



www.blauer-engel.de/uz156

Our underlayment is environmentally friendly and the right choice for healthy living! The Blue Angel certifies that our core assortment meets the high demands on environmental, health and usage properties.



All our underlayment is technically approved.

Recycling is very important to us



All our underlayment is 100% recyclable and made with up to 30% recycled materials.

This is what distinguishes our production:



Made in Germany with green energy



Material-efficient high-performance foams

We have perfected our process technology over the last 40 years through a state-of-the-art production and the right consciousness for the use of our resources. Our many years of expertise in the field of resin extrusion benefit every single step of our process. Through continuous investment and a passion for innovation, we guarantee our customers exceptional products with the highest possible quality level.

Our production is vertically integrated. We cover all the stages of the value chain. A total of eight top modern extrusion lines

use heat and pressure to transform raw resin into a microcellular foam sheet. Due to the low density, the process is extremely material-efficient and resource-saving. This is followed by further processing and final packaging into ready for sales product units.

Foam refinement

- Imprints
- Embossing
- Lamination
- Coating
- Edge finishing

Base material



- + Our basic material for foam extrusion is polystyrene resin (PS) or polyolefin resin (PO) as well as colour resin and other additives, depending on the desired property.

Raw reel



- + Heat and pressure transform the resin into a flexible, closed-cell foam sheet. A raw reel has a film width of up to 2.20 m and a diameter of up to 2.40 m.

Refinement

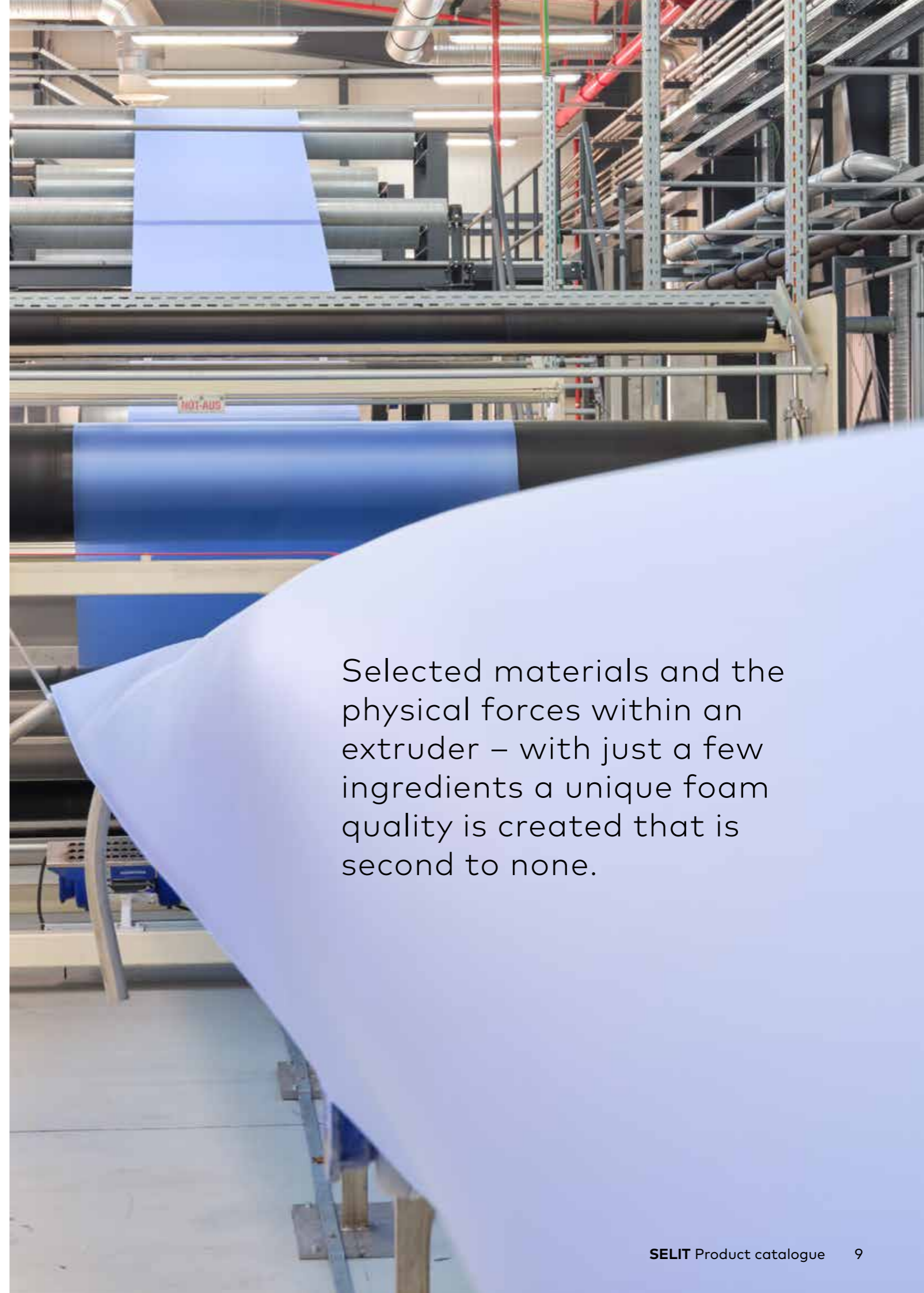


- + The foam is refined according to individual customer requirements or the final product. This can be, for example, an imprint or a laminated moisture protection film.

Packing



- + Finally the finished product is processed as a folding panel, straight panel or roll and attractively packed in sales units according to consumption.



Selected materials and the physical forces within an extruder – with just a few ingredients a unique foam quality is created that is second to none.

Research and development: Assertive products

Here at SELIT, our mission is to deliver innovative product ideas that improve the performance of flooring systems, protect against damaged floor coverings, and improve the residents comfort. Therefore,

SELIT: Always one innovation ahead

we analyse the trends of the flooring industry and deal with the following question: Where is the flooring market moving to? We develop our product portfolio in line with this – and thus create high quality products.

For several years now, we have been operating a pilot plant at our Erbes-Büdesheim site with a test facility where different raw

materials and formulations are tested and innovative foams can be developed – always with the aim of satisfying the requirements of the customers and the market as best as possible.

Many projects are realised together with our industrial partners in order to develop the right individual solution for a flooring system.



Our competence

- Development of innovative product solutions
- Individual foam development together with our customers
- Sample and trial production
- Forward-looking research with formulations and materials

Application technology: Guaranteed performance data

New innovative product solutions are developed in close co-operation with application technology. Since 2012 we have been operating a 500 m² testing and development laboratory in Germany, which is unique in the whole industry.

The tests are based on the European standard EN 16354, which defines test procedures for determining the technical properties of underlayment. We can map the test procedures required for this in our laboratory. This enables us to develop products for specific performance data and properties, always in close cooperation with our customers.

In addition to normative specifications, we do not lose sight of reality and always look at the flooring system from the user's perspective. In 2016, for example, we commissioned

the first climate chamber, which enables us to test the effects of sunlight, humidity or temperature on a flooring system. In addition, specially developed test benches enable us to simulate the durability of a flooring system over decades.

With our experience and knowledge we support the technical working groups of the European associations EPLF and MMFA. In addition, we are actively involved in the standardisation committees of DIN, CEN and ISO.

Force-displacement testing machine



Acoustic test facility with floor structure

Association work



Range of services

- Acoustic test facility
- Climate chamber / sunbeam-simulator
- Thermodynamic tests
- Material tests
- Load tests
- Other building material tests



The underlayment is indispensable for a functioning flooring system.

New quality assessment standards for underlayment

Following many years of preparation across numerous working groups at European level (CEN), but also within the EPLF association, official sets of rules and regulations defining specifications, requirements and test procedures for laminate, vinyl click and design underlayment exist since 2013. Before the introduction of such normatives, underlayment is not described or standardised. There are legal requirements in some countries (e.g. Ü-mark), but these exclusively regulate fire behaviour and emissions and thus no performance parameters.



EN 16354 since October 2018

SELIT was involved in this standardisation work, and was able to contribute to the fact that underlayment is now covered with requirements which are of great importance for the entire floor structure. We give you an overview of the valid sets of rules and regulations and explain why the installation of underlayment is necessary.

Why is underlayment necessary?

Floating flooring can only work if the underlayment also is part of the overall flooring system. The underlayment represents the connection between the floor and the substrate and should perform the following basic functions:

1. Ensure professional installation

This includes compensating of unevenness and creating an installation surface that permits a floating installation.

2. Permanently protect the floor

Protecting the floor from everyday stress, for example, caused by footfall and falling objects, as well as protecting it against rising residual trapped moisture.

3. Improve the floor characteristics

In addition to reducing impact and footfall sound, the underlayment also influences thermal insulation and walking comfort.



What sets of rules and regulations are there?

EN 16354

Since October 2018, there is the European Standard EN 16354. This official document of the European Commission addresses all relevant criteria of a laminate flooring underlayment, defines the test method to be followed and sets out the basic minimum requirements. This ensures that the specified product properties are comparable and that the underlayment comply with the minimum requirements of CEN.

Technical leaflets EPLF and MMFA

The two similarly structured technical data sheets of EPLF and MMFA are based on EN 16354. For all relevant requirements that underlayment must fulfil, the data sheets provide explications and specific recommendations with regard to the technical data. Thus, minimum requirements are already defined here, which an underlayment should fulfil depending on the type of floor covering. The leaflets also specify recommendations for increased requirements for underlayment, which are recommended for a floor service class of 31 or higher.

Requirements for underlayment

1. Floor protection

Compensating unevenness (PC)



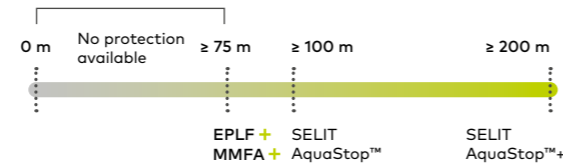
In order to mechanically protect the floor and avoid cavities, it is necessary to be able to compensate small, punctiform unevennesses. Otherwise the floor can be damaged, especially in the junction area.



Moisture protection (SD)



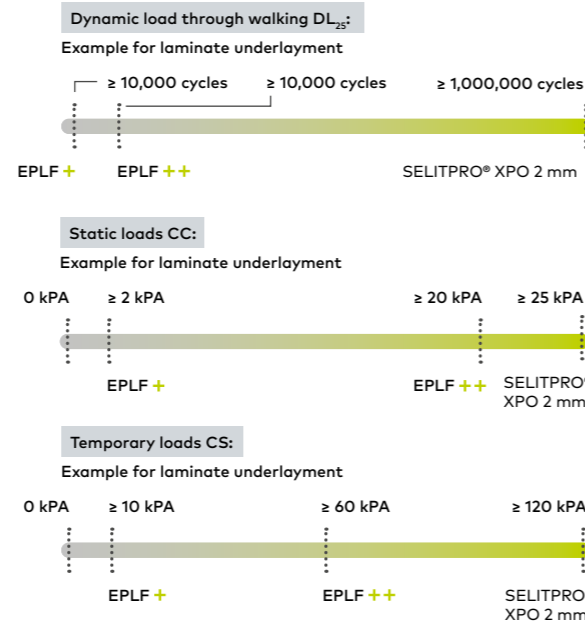
In the case of mineral substrates, moisture protection is mandatory to prevent damage to the floor. This can be achieved with an additional vapour barrier or with an appropriately equipped insulating underlayment.



Protection under load (DL, CC, CS)



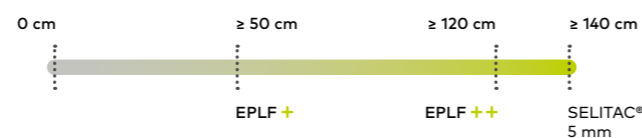
Daily use puts a heavy load on floors and thus also on underlayment. Therefore, it must be able to withstand static loads (CC: furniture), dynamic loads (DL: walking) and temporary loads (CS) during their entire service life. This is the only way to permanently protect the floor and, above all, its connection system.



Protection from falling objects (RLB)*



Falling objects can irreparably damage the laminate surface. In addition to the quality of the floor itself, the used underlayment plays a decisive role. It strongly influences the possible drop height, which leaves no damage behind.



* applies only to laminate floors

- EPLF + Minimum requirement EPLF/MMFA (group 1)
- EPLF ++ Higher requirement EPLF/MMFA (group 1)
- MMFA + Minimum requirement MMFA (groups 1 and 2)
- MMFA ++ Higher requirement MMFA (groups 1 and 2)

2. Increase of living comfort

Impact sound reduction (IS)



The transmission of footfall sound in adjacent and especially in the room below is generally referred to as impact sound. Underlayment can significantly reduce this impact sound in conjunction with the floor used.



Example for laminate underlayment

Radiated walking sound reduction (RWS)



The walking noise perceived in the same room is called radiated walking sound. Due to the floor itself, such noise is relatively loud. However, underlayment have a noticeable influence on this and can thus significantly improve the walking sound.

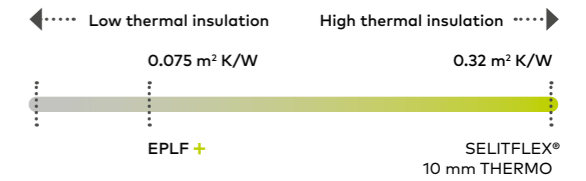


Example for laminate underlayment

Thermal insulation (R_λ)



Laminate or vinyl click floors are considered to be cold floors and provide relatively low thermal insulation. Underlayment can therefore significantly improve the thermal insulation properties of the floor and increase the living comfort with a higher surface temperature.

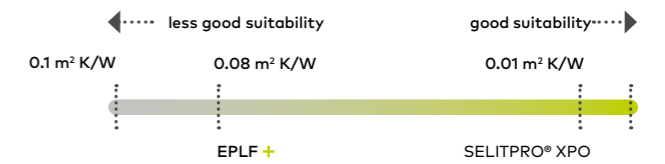


Example for laminate underlayment

Underfloor heating system (R_{λ/B})



Many floors are suitable for use on floor heating systems. A distinction is made between the installation of the heating below the underlayment (e.g. water heating) and above (e.g. electric foil heating). In order to work efficiently and economically, in the first case (heating below the underlayment) the R-value of the underlayment should be as low as possible. In the second case (heating above the underlayment) the R-value of the underlayment should be as high as possible. This enables the heating system to work efficiently and economically. When laying the heating below the underlayment, the thermal resistance of the floor (floor plus underlayment) should not exceed the value of 0.15 m² K/W.



Example for heating below the laminate underlayment



The right underlayment is important

Wood flooring and laminate floors have become increasingly popular in recent years. They give your residents a cosy and homely atmosphere. Thanks to the click system, the installation is simple and can be carried out by experienced professionals as well as by unexperienced DIY enthusiasts. In order for the effort to be worthwhile and for the floor to be enjoyable for as long as possible, however, a suitable underlayment is indispensable.

In our range you will find different underlayment, adapted to the respective conditions of the substrate and the different requirements of the floor. Considering both, entry-level price classes and premium products, which set trends in the market.

We attach great importance to the high quality, health safety and application safety of our products. That is why we have had our premium underlayment certified by TÜV Rheinland. Functionality, quality, usability and production monitoring of our products have been thoroughly examined. The result: After having been awarded for the TÜV seal of approval, SELIT is the first and so far the only company that can offer a certified underlayment. Since healthy living is an increasingly important topic, our product range includes underlayment with the Blue Angel for health-conscious living.

UNDERLAYMENT FOR WOOD FLOORING AND LAMINATE

SELITPRO[®] XPO

High performance polyolefin foam – Peak values in walking noise

The SELITPRO[®] XPO series is made of high-performance polyolefin foam and impress with their peak values in walking sound reduction and, at the same time, outstanding properties in impact sound, levelling capability and pressure stability.

SELITPRO[®] XPO protects floors from long-term damage and provides pleasant room acoustics by reducing walking sound. In the impact sound range, a reduction of up to 20 dB is achieved – an excellent value that is clearly noticeable in the room one storey below. Thanks to its low thermal resistance, SELITPRO[®] XPO is also perfectly suited for use on underfloor heating systems.



Easy to cut!

Thanks to the flexible foam structure, the roll can be laid quickly and comfortably in long lengths and then be cut effortlessly.

SELITPRO[®] XPO with AquaStop[™] protect the laminate or wood flooring above from residual building moisture from the screed.



SELITPRO[®] XPO 1 mm AquaStop[™]

High-performance underlayment made of polyolefin foam (XPO) with AquaStop[™]

- Maximum loading capacity for falling objects and temporary loads
- Excellent walking sound reduction
- integrated vapour barrier against residual building moisture



With overlap and adhesive tape



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Art. No.	Format	Content	Unit	EAN
73712	1 x 10 m	10 m ²	9 rolls	4002245737129

SELITPRO[®] XPO 2 mm

High-performance underlayment made of polyolefin foam (XPO)

- Excellent room acoustics thanks to peak values in walking sound
- High-pressure stability for maximum load-bearing capacity
- Ideal for underfloor heating systems



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Art. No.	Format	Content	Unit	EAN
73710	1 x 10 m	10 m ²	24 rolls	4002245737105

SELITPRO[®] XPO 2 mm AquaStop[™]

High-performance underlayment made of polyolefin foam (XPO) with AquaStop[™]

- Excellent room acoustics thanks to peak values in walking sound
- High-pressure stability for maximum load-bearing capacity
- Integrated moisture protection film against residual building moisture



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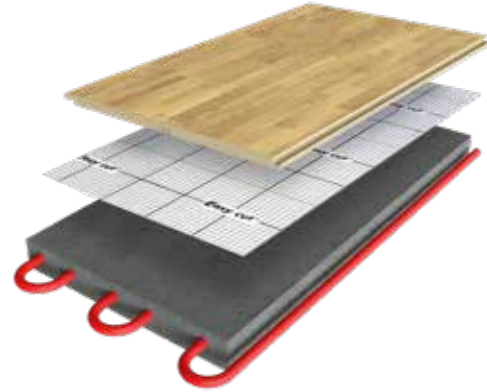
Art. No.	Format	Content	Unit	EAN
73711	1 x 10 m	10 m ²	24 rolls	4002245737112



Perfect floor system for comfortable warmth

The floor contributes to a large extent to a cozy and comfortable living. Underfloor heating supports this function and is becoming increasingly popular. In addition, combined living/dining areas and open kitchens promote family togetherness and spread the general demands on the durability of the floor over the entire living area.

The SELITPRO® XPO range is ideally suited to underfloor heating and can withstand daily wear and tear in all areas of the home. This significantly increases living comfort and reliably protects the floor.



Technical data SELITPRO® XPO according to EN 16354

	SELITPRO® XPO 1 mm AquaStop™	SELITPRO® XPO 2 mm	SELITPRO® XPO 2 mm AquaStop™
Punctual conformability (PC)	up to 0.5 mm	up to 1.0 mm	up to 1.0 mm
Compressive strength (CS)	≥ 200 kPa	≥ 120 kPa	≥ 120 kPa
Compressive creep (CC)	≥ 10 kPa	≥ 25 kPa	≥ 25 kPa
Dynamic load (DL ₂₅)	≥ 100,000 cycles	≥ 1,000,000 cycles	≥ 1,000,000 cycles
Resistance to large ball (RLB)	≥ 125 cm	≥ 120 cm	≥ 120 cm
Water vapour diffusion resistance (SD)	≥ 100 m	-	≥ 100 m
Thermal resistance (R)	~ 0.03 m²K/W	~ 0.04 m²K/W	~ 0.04 m²K/W
Impact sound reduction (IS)	up to 19 dB	up to 20 dB	up to 20 dB
Reaction to fire (RTF)	E _{fl}	E _{fl}	E _{fl}
Suitability with underfloor heating	Yes, if flooring R ≤ 0.12 m²K/W (e.g. laminate 12 mm, wood flooring 14 mm)	Yes, if flooring R ≤ 0.11 m²K/W (e.g. laminate 12 mm, wood flooring 14 mm)	Yes, if flooring R ≤ 0.11 m²K/W (e.g. laminate 12 mm, wood flooring 14 mm)
Meets the minimum requirements of the EPLF and the MMFA (Group 1)	✓	✓	✓
Meets the higher requirements of the EPLF and the MMFA (Group 1)	✗	✓	✓

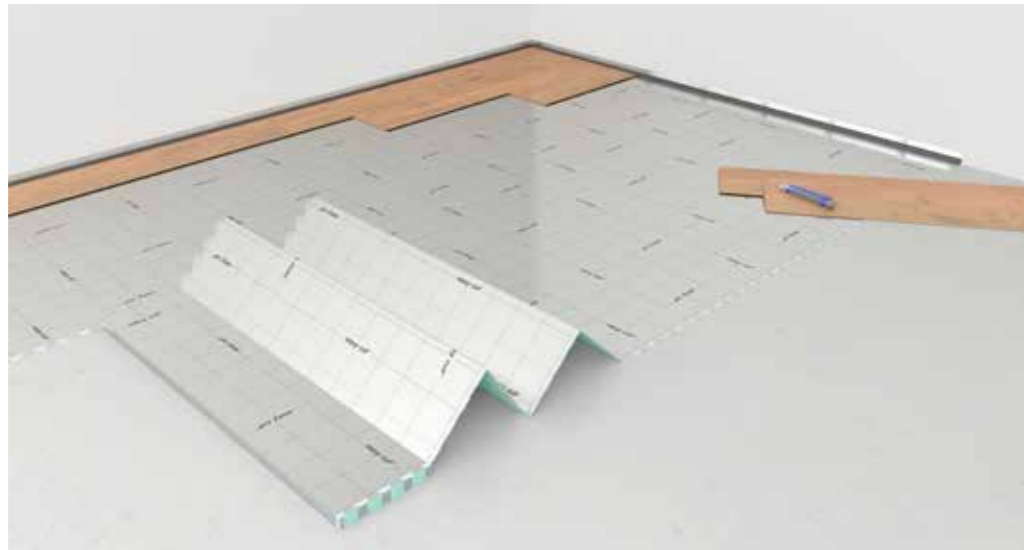
SELITAC®

Outstanding performance data due to high-pressure resistant extruded polystyrene foam

The products of the SELITAC® series are among our premium products. The high-pressure resistant extruded polystyrene foam guarantees durable quality and outstanding performance data.

In three thicknesses, SELITAC® offers reliable protection of the floor from damage caused by heavy loads from foot traffic or heavy furniture as well as from falling objects.

All products in the SELITAC® series are TÜV-tested and carry the Blue Angel label.



SELITAC® 2.2 mm

For low installation spaces

- High load capacity
- Reduction of walking and impact sound
- Suitable for underfloor heating



BLUE ANGEL
THE GERMAN ECOLABEL

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TÜVRheinland
CERTIFIED

Functionality
Quality
Usability

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ID 0000054116

Art. No.	Format	Content	Unit	EAN
73678	1 x 25 m	25 m ²	13 rolls	4002245736782

SELITAC® 2.2 mm

For low installation spaces

- High load capacity
- Reduction of walking and impact sound
- Suitable for underfloor heating



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Art. No.	Format	Content	Unit	EAN
73676	1.25 x 12 m	15 m ²	27 pcs.	4002245736764

SELITAC® 2.2 mm AquaStop™

For low installation spaces – with AquaStop™

- High load capacity
- Reduction of walking and impact sound
- Integrated protection against rising moisture



BLUE ANGEL
THE GERMAN ECOLABEL

AquaStop™
technology
Protection against residual moisture

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Art. No.	Format	Content	Unit	EAN
73653	1.2 x 12.5 m	15 m ²	27 pcs.	4002245736535

SELITAC® 2.2 mm AquaStop™

For low installation spaces – with AquaStop™

- High load capacity
- Reduction of walking and impact sound
- Easy to process thanks to easy click®+ contour
- Integrated protection against rising moisture



BLUE ANGEL
THE GERMAN ECOLABEL

AquaStop™
technology
Protection against residual moisture

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Incl. tape

Art. No.	Format	Content	Unit	EAN
73665	1.2 x 11.5 m	13.8 m ² +tape	21 sets	4002245736658

SELITPRO®
SELITAC®
SELITFLEX®
SELITeco®
SELITFloc®
SELITstop®
SELITBLOC®

SELITAC® 3 mm

Great for poorly soundproofed rooms

- High load capacity
- Efficient protection against falling objects
- Very good impact sound reduction



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Functionality
Quality
Usability
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Art. No.	Format	Content	Unit	EAN
73688	1.25 x 8.5 m	10.63 m ²	27 pcs.	4002245736887

SELITAC® 3 mm AquaStop™

Perfect for poorly soundproofed rooms – with AquaStop™

- High load capacity
- Reduction of walking and impact sound
- Ingeniously easy to install with easy click+ contour
- Integrated protection against rising moisture



Incl. tape



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Art. No.	Format	Content	Unit	EAN
73683	1.2 x 8.5 m	10.2 m ² + tape	21 sets	4002245736832

SELITAC® 5 mm

Ideal for cold floors

- Optimal compensation of unevenness
- Excellent impact and walking sound reduction
- Reliable thermal insulation



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Art. No.	Format	Content	Unit	EAN
73650	0.8 x 6.25 m	5 m ²	40 bags	4002245736504

SELITAC® 5 mm AquaStop™

Ideal for cold floors – with AquaStop™

- Optimal compensation of unevenness
- Excellent impact and walking sound reduction
- Reliable thermal insulation
- Protection against rising moisture



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Art. No.	Format	Content	Unit	EAN
73661	0.8 x 6.25 m	5 m ²	40 bags	4002245736610

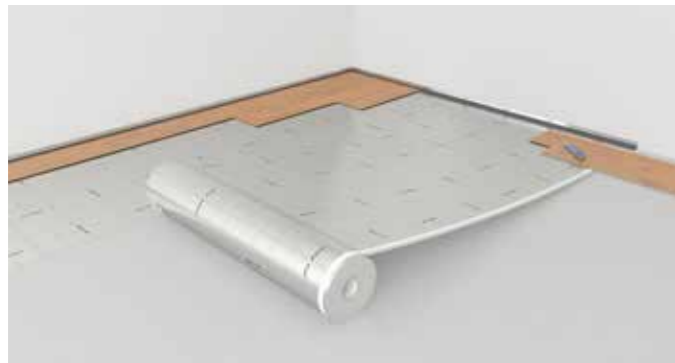
Technical data SELITAC® according to EN 16354

	SELITAC® 2.2 mm	SELITAC® 3 mm	SELITAC® 5 mm
	SELITAC® 2.2 mm AquaStop™	SELITAC® 3 mm AquaStop™	SELITAC® 5 mm AquaStop™
Punctual conformability (PC)	up to 1.5 mm	up to 2.5 mm	up to 4.0 mm
Compressive strength (CS)	≥ 90 kPa	≥ 90 kPa	≥ 90 kPa
Compressive creep (CC)	≥ 25 kPa	≥ 25 kPa	≥ 25 kPa
Dynamic load (DL ₂₅)	≥ 250,000 cycles	≥ 250,000 cycles	≥ 250,000 cycles
Resistance to large ball (RLB)	≥ 120 cm	≥ 140 cm	≥ 140 cm
Water vapour diffusion resistance (SD)	- ≥ 100 m	- ≥ 100 m	- ≥ 100 m
Thermal resistance (R)	- 0.07 m ² K/W	- 0.10 m ² K/W	- 0.15 m ² K/W
Impact sound reduction (IS)	up to 20 dB	up to 22 dB	up to 22 dB
Reaction to fire (RTF)	E _{fl}	E _{fl}	E _{fl}
Suitability with underfloor heating	Yes, if flooring R ≤ 0.08 m ² K/W (e.g. laminate 10 mm, wood flooring 12 mm)	✗	✗
Meets the minimum requirements of the EPLF and the MMFA (Group 1)	✓	✓	✓
Meets the higher requirements of the EPLF and the MMFA (Group 1)	✓	✓	✓

Perfect for new buildings and cellars

All products of the SELITFLEX® series are equipped with AquaStop™, making them ideal for new buildings and cellars as well as for the use of levelling compounds.

The products made of expanded polystyrene foam have excellent impact and walking sound insulation properties as well as very good pressure stability.



SELITFLEX® 1.6 mm AquaStop™

Perfect for underfloor heating

- Excellent impact noise reduction
- Very good walking sound reduction
- With integrated vapour barrier film

With overlap and adhesive tape



Functionality
Quality
Usability
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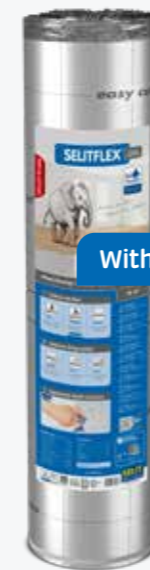
Art. No.	Format	Content	Unit	EAN
73218	1.2 x 15 m	18 m ²	21 sets	4002245732186

SELITFLEX® 3 mm AquaStop™

Good protection against moisture damage

- Compensation for minor unevenness
- Good impact and walking sound reduction
- Protection against rising moisture

With overlap and adhesive tape



Functionality
Quality
Usability
www.tuv.com
ID 000054116

Art. No.	Format	Content	Unit	EAN
73617	1 x 18 m	18 m ²	4 rolls	4002245736177

SELITFLEX® 3 mm AquaStop™

Good protection against moisture damage

- Compensation for minor unevenness
- Excellent impact and walking sound reduction
- Protection against rising moisture

With overlap and adhesive tape



Functionality
Quality
Usability
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ID 000054116

Art. No.	Format	Content	Unit	EAN
73211	1.2 x 8.5m	10.2 m ²	21 sets	4002245732117

SELITFLEX® 10 mm THERMO**For perfect thermal insulation of cold floors**

- Floor up to 4°C warmer
- Excellent protection against falling objects
- Compensates for unevenness

Incl. Tape



Functionality
Quality
Usability

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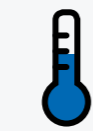


Art. No.	Format	Content	Unit	EAN
73619	0.5x1.2 m	6 m ² + tape	8 sets	4002245736191

Thermo set for energy saving

The thickness of 10 mm makes SELITFLEX® THERMO ideal for use on cold floors. It insulates reliably and provides a floor that is up to 4°C warmer. As an energy-saving panel, it reduces heat loss by up to 30%, thus helping to cut energy and heating costs.

Professional sealing against moisture is particularly important for cold floors, such as in basements. To ensure this and make installation as easy as possible for the customer, the underlayment has moisture protection already integrated through the AquaStop™ film surface. The aluminum sealing tape included in the set seals the joints.

SELITFLEX® 10 mm THERMO

+4°C
WARMER
FLOOR



-30%
THERMAL LOSS

Technical data SELITFLEX® according to EN 16354

	SELITFLEX® 1.6 mm AquaStop™	SELITFLEX® 3 mm AquaStop™	SELITFLEX® 10 mm THERMO
Punctual conformability (PC)	up to 1.0 mm	up to 2.5 mm	up to 6.0 mm
Compressive strength (CS)	≥ 60 kPa	≥ 25 kPa	≥ 25 kPa
Compressive creep (CC)	≥ 5 kPa	≥ 2 kPa	≥ 5 kPa
Dynamic load (DL ₂₅)	≥ 100,000 cycles	≥ 10,000 cycles	≥ 100,000 cycles
Resistance to large ball (RLB)	≥ 90 cm	≥ 140 cm	≥ 140 cm
Water vapour diffusion resistance (SD)	≥ 100 m	≥ 100 m	≥ 100 m
Thermal resistance (R)	~ 0.06 m ² K/W	~ 0.10 m ² K/W	~ 0.32 m ² K/W
Impact sound reduction (IS)	up to 20 dB	up to 20 dB	up to 20 dB
Reaction to fire (RTF)	E _{fl}	E _{fl}	E _{fl}
Suitability with underfloor heating	Yes, if flooring R ≤ 0,09 m ² K/W (e.g. laminate 12 mm, wood flooring 14 mm)	✗	✗
Meets the minimum requirements of the EPLF and the MMFA (Group 1)	✓	✓	✓
Meets the higher requirements of the EPLF and the MMFA (Group 1)	✗	✗	✗



Our most sustainable product line

The products in the SELITeco® series are made from renewable or recycled raw materials and offer plenty of performance with the added bonus of sustainability.

The SELITeco® 5 mm is our most sustainable innovation in the product line and shines with excellent performance data and maximum environmental friendliness.



www.blauer-engel.de/uz156

SELITeco® 5 mm

The No. 1 in sustainability

- Sustainably produced and packaged
- Resource and climate friendly
- Optimal compensation of unevenness
- Reliable thermal insulation



Art. No.	Format	Content	Unit	EAN
73720	0.8 x 7.5 m	6 m ²	34 bags	4002245737204



100 % RECYCLABLE

Both the underlayment and the packaging are 100% recyclable



SUSTAINABLY PACKAGED

100% recycled paper with FSC® certification to protect forests, 70% less packaging film*, film with at least 30% recycled content



HARMLESS FOR HEALTH

Without plasticizers, formaldehyde and other harmful substances, low emission and harmless in the living environment



RESOURCE-SAVING

100% recycled content of foam waste into the production process, at least 30% recycle in the product



CLIMATE PROTECTION

Excellent thermal insulation, saving up to 15% of energy, produced in Germany with renewable energies



HYGIENIC

Material insensitive to moisture, no risk of mold



*compared to the wood fibre panels

SELITBLOC® SELITstop® BASIC SELITFLEX SELITAC SELITPRO

SELITeco® 2 mm Cork

Ideal for existing wooden floors

- Made of natural cork, a renewable raw material
- Protection under loads
- Suitable for underfloor heating



Art. No.	Format	Content	Unit	EAN
70607	1 x 15 m	15 m ²	4 rolls	4002245706071

SELITeco® 5 mm Wood fibre

Ideal for existing wooden floors

- Made from renewable raw materials
- Protection under loads
- Well suited as an intermediate layer for existing wooden substrates



Art. No.	Format	Content	Unit	EAN
70609	59 x 79 cm	7 m ²	26 bags	4002245706095



Technical data SELITeco® according to EN 16354

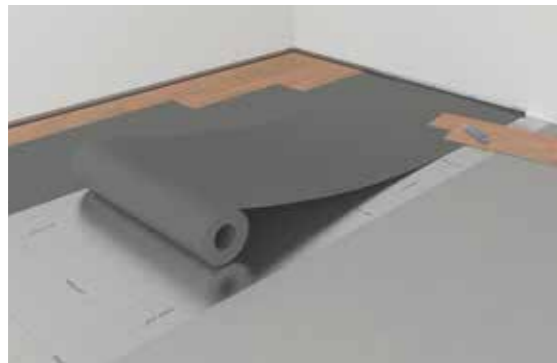
	SELITeco® 5 mm	SELITeco® 2 mm Cork	SELITeco® 5 mm Wood fibre
Punctual conformability (PC)	up to 4.0 mm	up to 0.5 mm	up to 1.0 mm
Compressive strength (CS)	≥ 90 kPa	≥ 90 kPa	≥ 90 kPa
Compressive creep (CC)	≥ 25 kPa	≥ 25 kPa	≥ 25 kPa
Dynamic load (DL ₂₅)	≥ 250,000 cycles	≥ 100,000 cycles	≥ 100,000 cycles
Resistance to large ball (RLB)	≥ 140 cm	≥ 50 cm	≥ 90 cm
Water vapour diffusion resistance (SD)	-	-	-
Thermal resistance (R)	- 0.15 m ² K/W	- 0.04 m ² K/W	- 0.075 m ² K/W
Impact sound reduction (IS)	up to 20 dB	up to 17 dB	up to 19 dB
Reaction to fire (RTF)	E _{fl}	E _{fl}	E _{fl}
Suitability with underfloor heating	✗	Yes, if flooring R ≤ 0.108 m ² K/W (e.g. laminate up to approx. 8 mm)	Yes, if flooring R ≤ 0.075 m ² K/W (e.g. laminate up to approx. 8 mm)
Meets the minimum requirements of the EPLF and the MMFA (Group 1)	✓	✓	✓
Meets the higher requirements of the EPLF and the MMFA (Group 1)	✓	✗	✗

SELITPRO®
SELITAC®
SELITFLEX®
SELITeco®
BASIC
SELITstop®
SELITBLOC®

BASIC

Ideal for the simple application area

BASIC underlayment is suitable for all rooms with low traffic. It is available as a roll, protects against loading and reduces impact sound. Due to their low thickness, BASIC underlayment are also suitable for low installation heights.




BASIC 1.6 mm

Protects the floor from daily use



- Designed for simple applications
- Compensates unevenness up to 0.5 mm
- Suitable for underfloor heating

Art. No.	Format	Content	Unit	EAN
70703	1 x 20 m 	20 m ²	20 rolls	4002245707030



Technical data BASIC

according to EN 16354

BASIC 1.6 mm

Punctual conformability (PC)	up to 0.5 mm
Compressive strength (CS)	≥ 60 kPa
Compressive creep (CC)	≥ 5 kPa
Dynamic load (DL ₂₅)	≥ 100,000 cycles
Resistance to large ball (RLB)	≥ 50 cm
Water vapour diffusion resistance (SD)	-
Thermal resistance (R)	- 0.046 m ² K/W
Impact sound reduction (IS)	up to 17 dB
Reaction to fire (RTF)	E _{fl}
Suitability with underfloor heating	yes
Meets the minimum requirements of the EPLF and the MMFA (Group 1)	✓
Meets the higher requirements of the EPLF and the MMFA (Group 1)	✗

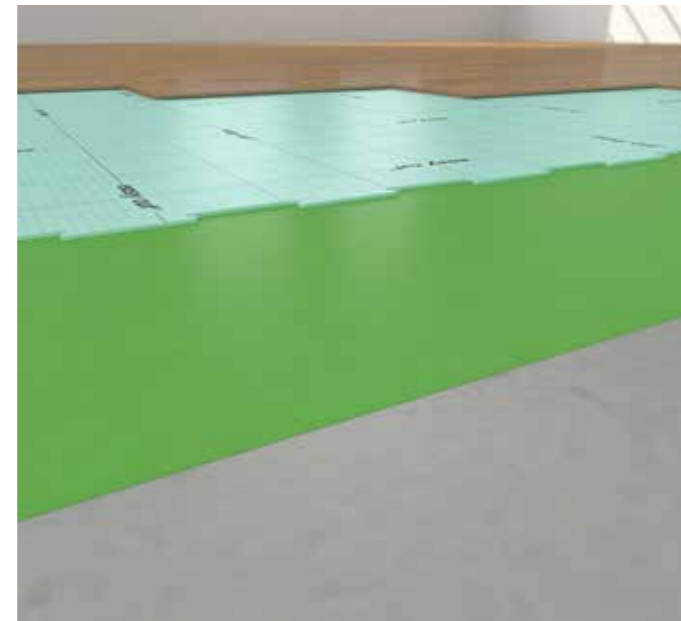
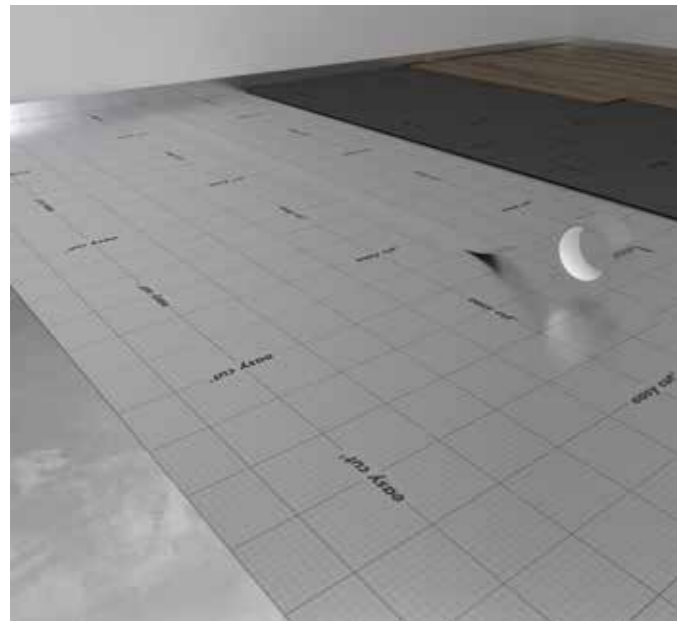
Comprehensive range of accessories for standard-compliant moisture protection

The SELITstop® accessories are indispensable for professional installation and standard-compliant moisture protection.

In rooms with residual building moisture in the screed, the floor is protected either by a base with the AquaStop™ function or by an additional moisture protection film. For comprehensive moisture protection, however, joints and wall connections must also be sealed. The wall connection is the neutral point here: Moisture will find its way and gradually pull itself up the walls. This leads to a favourable environment for mould behind and on the skirting boards.

This is where the SELITstop® principle comes in: With the help of AquaStop™, the products block rising moisture from the floor and wall connection areas.

The sustainable SELITstop® PE Vapor Barrier has been awarded the Blue Angel and is made of 100% recycle.



■ SELITstop® aluminium sealing tape / SELITstop® comfort moisture protection

■ SELITstop® PE vapour barrier

SELITstop® Comfort Vapour Barrier



AquaStop™ film – highly effective moisture protection

- Protection against rising residual building moisture
- Robust thanks to non-woven backing
- Suitable for underfloor heating



Art. No.	Format	Content	Unit	EAN
70480	1 x 26 m	26 m ²	4 rolls	4002245704800

SELITstop® PE Vapour Barrier



Protects against moisture

- Vapour barrier film made of 100% recycled material
- Protects against rising moisture
- Required for mineral substrates



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Art. No.	Format	Content	Unit	EAN
70169	2 x 13 m	26 m ²	4 rolls	4002245701694

SELITstop® Moulding Protection Belt

Sealing tape for the wall connection area – protection against residual building moisture

- Protects skirting boards and floors from rising residual building moisture
- Prevents mould growth on the skirting board
- For easy processing with bend angle and auxiliary lines



Art. No.	Format	Content	Unit	EAN
73166	7.5 cm x 20 m	20 m	10 pcs.	4002245731660

SELITstop® Aluminium-Foil Sealing Tape

Self-adhesive – Ideal for impacts and joints

- Effective moisture protection
- For masking butt joints and wall connection areas
- Also ideal for fixing insulation underlays



Art. No.	Format	Content	Unit	EAN
70161	50mm x 50m	50 m	30 rolls	4002245701618

Points system product overview

Explanation of the evaluations:

- = Excellent
- = Very good
- = Good

- = Minimum requirement
- = Weak
- = Not suitable

- ✓ = Available
- ✗ = Not available

SELITAC®

SELITFLEX®

SELITPRO® XPO

SELITeco®

		2.2 mm	3 mm	5 mm	1.6 mm AquaStop™	3 mm AquaStop™	10 mm THERMO	1 mm AquaStop™	2 mm AquaStop™	5 mm Recycling	2 mm Cork	5 mm Wood fibre	BASIC 1.6 mm
		2.2 mm AquaStop™	3 mm AquaStop™	5 mm AquaStop™									
DL CC CS		●●●●●	●●●●●	●●●●●	●●●○○	●●○○○	●●●○○	●●●○○	●●●●●+	●●●●●	●●●○○	●●●○○	●●●○○
RLB		●●●●○	●●●●●	●●●●●	●●●○○	●●●●●	●●●●●	●●●○○	●●●○○	●●●●●	●●○○○	●●●○○	●●○○○
PC		●●●○○	●●●○○	●●●●●	●●●○○	●●●○○	●●●●●+	●●○○○	●●●○○	●●●●●	●●○○○	●●●○○	●●○○○
IS		●●●●○	●●●●●	●●●●●	●●●○○	●●●○○	●●●○○	●●●○○	●●●○○	●●●○○	●●○○○	●●●○○	●●○○○
RWS		●●●●○	●●●○○	●●●○○	●●●○○	●●●○○	●●●○○	●●●●●	●●●●●	●●●○○	●●○○○	●●○○○	●●○○○
R _A		●○○○○	●●●○○	●●●○○	○○○○○	●●●○○	●●●●●+	○○○○○	○○○○○	●●●●●	○○○○○	●●○○○	○○○○○
R _{A,B}		●●●○○	○○○○○	○○○○○	●●●●●	○○○○○	○○○○○	●●●●●	●●●●●	○○○○○	●●●○○	●●○○○	●●●●●
		✓*	✓	✓	✓*	✓*	✗	✗	✗	✗	✗	✗	✗
		✓*	✓**	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗
		✓****	✓***	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
		✓	✓	✓	✓	✓	✓	✗	✓	✗	✗	✗	✗

* Not for rolled material
 ** Only with SELITAC® 3 mm and SELITAC® 3 mm AquaStop™ without tape
 *** Only with SELITAC® 2.2 mm AquaStop™ and 3 mm AquaStop™ with tape



What counts is what's underneath

The vinyl click flooring market has been growing steadily during the last years. A variety of patterns, textures and colours are available on the market. The vinyl click floorboards, LVT, SPC and rigid floors are easy to install thanks to click connection. That makes the flooring interesting for do-it-yourself enthusiasts, especially since it can also be used in damp rooms and on existing floor coverings.

Moreover, as vinyl click floorboards are usually thinner and more flexible than laminate floors and their click connection is more delicate, the underlay is very important.

The SELITBLOC® vinyl click flooring underlayment has been specially developed for these requirements. They protect the vinyl click floor from damage to the click joint caused by uneven flooring due to minor unevenness in the subfloor.

They also prevent these uneven areas from becoming apparent in the thin vinyl click floor (telegraphing effect). The anti-slip surface (GripTec®) prevents the boards from slipping and the joints from opening.

Vinyl click floors are generally regarded as "quiet" floors. This is certainly correct for walking sounds, but not for impact sound. Due to the basic nature of the surface, the sound is absorbed and the walking sound in the room itself is perceived as a lot more quiet. In the room below, however, the noise is clearly unpleasant when heard. This sound is called impact sound. An insulating underlayment can have wondrous effects on that. This is where SELITBLOC® comes in and, by improving the sound properties, increases living comfort even in spaces below rooms with vinyl click floors.

The underlayment of the SELITBLOC® series are suitable for all floating LVT, SPC, rigid, vinyl and design floors with click system.

UNDERLAYMENT FOR VINYL CLICK FLOORING

SELITBLOC®



Pressure-resistant foam core for reliable protection of the flooring against damage

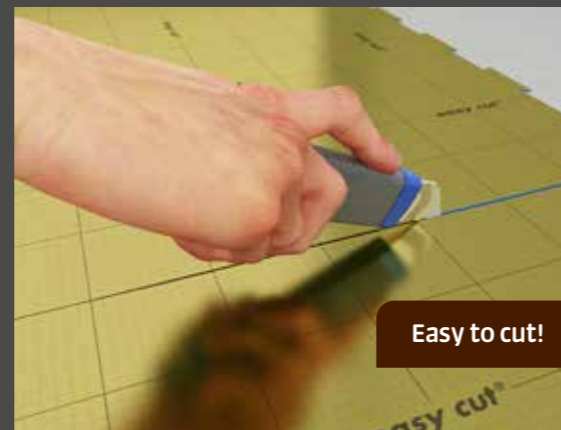
SELITBLOC® is the ideal underlayment for modern vinyl and design click flooring such as LVT, SPC and Rigid. The pressure-resistant foam core provides reliable protection of the flooring against damage. It also reduces the risk of the subsurface, such as tile joints, being visible in the subsurface. Despite the low material thickness, this underlayment made of extruded polystyrene or polyolefin provides very good sound insulation values, especially in the case of impact sound. The GripTec® surface prevents the individual planks from slipping and thus from opening the joints.

Awarded with the Blue Angel

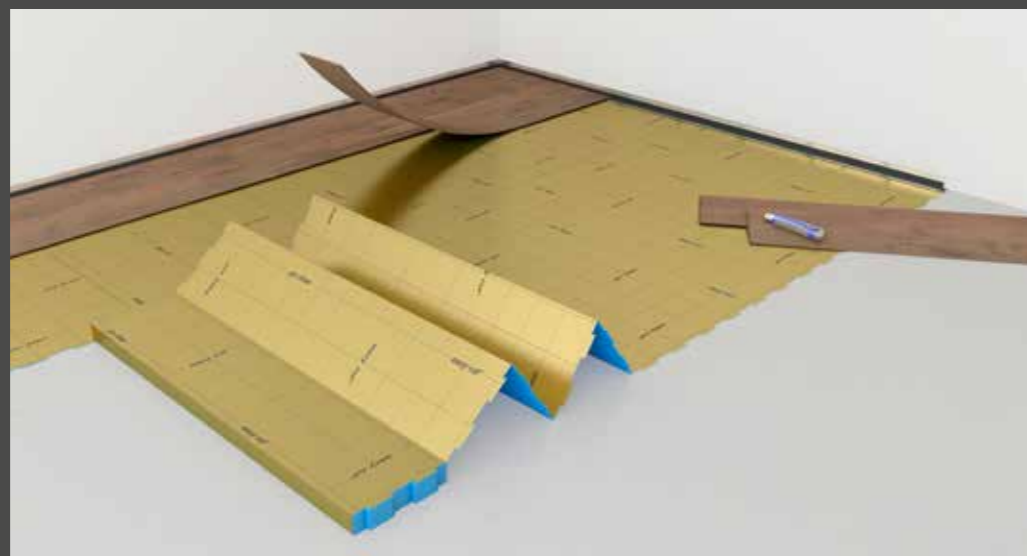


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- low emissions
- low pollutant content



Easy to cut!



SELITBLOC® 1 mm



High-pressure stability and resilience

- Protection against damage
- Reliably compensates for unevenness and protects against telegraphing
- Efficient impact sound reduction



www.blauer-engel.de/uz156



Functionality
Quality
Usability
www.tuv.com
ID 0000054116

Art. No.	Format	Content	Unit	EAN
73634	1.2x12.5 m	15 m ²	27 pcs.	4002245736344

SELITBLOC® 1 mm GripTec®



Highly pressure-resistant and resilient – with AquaStop™

- Protection against damage
- Efficient impact sound reduction
- Anti-slip GripTec® surface prevents boards from slipping
- Reliably compensates for unevenness and protects against telegraphing



www.blauer-engel.de/uz156



Functionality
Quality
Usability
www.tuv.com
ID 0000054116

Incl. Tape

Art. No.	Format	Content	Unit	EAN
73638	1.2x12.5 m	15 m ² + tape	27 sets	4002245736382

SELITBLOC® 1.5 mm



Highly pressure-resistant and resilient

- Protection against damage
- Reliably compensates for unevenness and protects against telegraphing
- Efficient impact sound reduction



www.blauer-engel.de/uz156



Functionality
Quality
Usability
www.tuv.com
ID 0000054116

Art. No.	Format	Content	Unit	EAN
73636	1.2 x 8.5 m	10.2 m ²	27 pcs.	4002245736368

SELITBLOC® 1.5 mm GripTec®



Highly pressure-resistant and resilient – with AquaStop™

- Protection against damage
- Efficient impact sound insulation
- Anti-slip GripTec® surface prevents boards from slipping
- Reliably compensates for unevenness and protects against telegraphing



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Functionality
Quality
Usability
www.tuv.com
ID 0000054116

Incl. Tape

Art. No.	Format	Content	Unit	EAN
73637	1.2 x 8.5 m	10.2m ² +tape	27 sets	4002245736375

SELITBLOC® XPO 0.6 mm

High-performance underlayment made of polyolefin foam (XPO)



- Excellent room acoustics thanks to peak values in walking noise
- High-pressure stability for maximum load-bearing capacity
- Ideal for underfloor heating systems



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Art. No.	Format	Content	Unit	EAN
73713	1 x 15 m	15 m ²	9 rolls	4002245737136

SELITBLOC® XPO 1 mm

High-performance underlayment made of polyolefin foam (XPO)



- Excellent room acoustics thanks to peak values in walking noise
- High-pressure stability for maximum load-bearing capacity
- Ideal for underfloor heating systems



www.blauer-engel.de/uz156

Art. No.	Format	Content	Unit	EAN
73714	1 x 10 m	10 m ²	9 rolls	4002245737143



Technical data SELITBLOC® according to EN 16354

	SELITBLOC® 1 mm	SELITBLOC® 1 mm GripTec®	SELITBLOC® 1.5 mm	SELITBLOC® 1.5 mm GripTec®	SELITBLOC® XPO 0.6 mm	SELITBLOC® XPO 1 mm
Punctual conformability (PC)	up to 0.5 mm	up to 0.5 mm	up to 1 mm	up to 1 mm	up to 0.25 mm	up to 0.5 mm
Compressive strength (CS)	≥ 400 kPa	≥ 500 kPa	≥ 400 kPa	≥ 500 kPa	≥ 1,000 kPa	≥ 500 kPa
Compressive creep (CC)	≥ 25 kPa	≥ 35 kPa	≥ 25 kPa	≥ 35 kPa	≥ 50 kPa	≥ 25 kPa
Dynamic load (DL ₇₅)	≥ 250,000 cycles	≥ 250,000 cycles	≥ 250,000 cycles	≥ 250,000 cycles	≥ 1,000,000 cycles	≥ 250,000 cycles
Coefficient of friction μ _d (ISO 8295)	-	≥ 0.8	-	≥ 0.8	-	-
Water absorption (EN 12087)	≤ 1%	≤ 1%	≤ 1%	≤ 1%	≤ 1%	≤ 1%
Water vapour diffusion resistance (SD)	-	≥ 100 m	-	≥ 100 m	-	-
Thermal resistance (R)	~ 0.03 m ² K/W	~ 0.03 m ² K/W	~ 0.04 m ² K/W	~ 0.04 m ² K/W	~ 0.01 m ² K/W	~ 0.02 m ² K/W
Impact sound reduction (IS)	up to 18 dB	up to 18 dB	up to 20 dB	up to 20 dB	up to 19 dB	up to 19 dB
Reaction to fire (RTF)	E _{fl}	E _{fl}	E _{fl}	E _{fl}	E _{fl}	E _{fl}
Suitability with underfloor heating	Yes, if flooring R ≤ 0.12 m ² K/W	Yes, if flooring R ≤ 0.12 m ² K/W	Yes, if flooring R ≤ 0.11 m ² K/W	Yes, if flooring R ≤ 0.11 m ² K/W	Yes, if flooring R ≤ 0.14 m ² K/W	Yes, if flooring R ≤ 0.13 m ² K/W
Meets the minimum requirements of the EPLF and the MMFA (Group 1 and 2)	✓	✓	✓	✓	✗	✓
Meets the higher requirements of the EPLF and the MMFA (Group 1 and 2)	✗	✓	✗	✓	✗	✗



INGENIOUSLY SIMPLE

Ingeniously simple processing

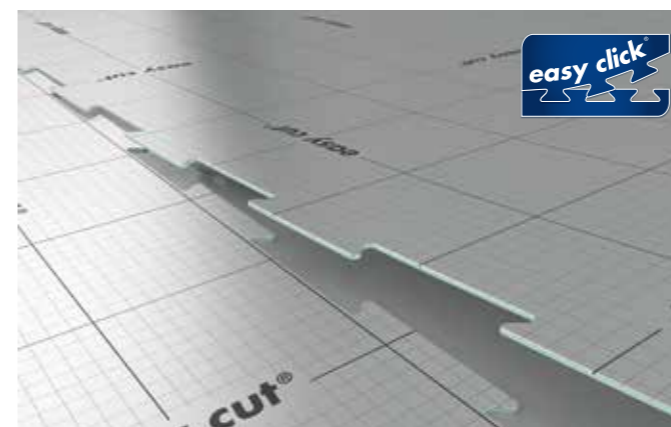
To do justice to do-it-yourself enthusiasts, our underlayment is particularly easy to process. The product features **easy lay™**, **easy click™**, **easy click™+** and **easy cut™** ensure simple and quick installation of the underlayment, a fast and secure connection of the individual

strips, and a precise cutting to the required size. We are particularly proud of the fact that these solutions have meanwhile established themselves as standard in the floor industry and boast about groundbreaking quality.



Easy to install as a folding panel

- + Especially quick and easy to install
- + As long as a roll but with the flatness of a panel
- + Fewer impacts for masking compared to a panel



Secure connection with click system

- + Two-dimensional locking system
- + No slipping of the individual panels
- + Particularly easy to mask off (moisture protection)
- + Installation without sound bridges, cavities and overlaps



Easy to cut with printed grid

- + Easy to cut with a carpet knife
- + No cutting aid required
- + High fitting accuracy on walls and doors



Installation with optimised click system

- + Three-dimensional locking system
- + No slipping of the individual panels
- + No opening of joints
- + Optimum installation without sound bridges, cavities and overlaps
- + Particularly easy to mask off (moisture protection)

You can find more information about installation in our new installation film on our YouTube Channel:

 **YouTube** / SELIT Dämmtechnik GmbH

An ingenious POS: Your success guarantee

Complete range on 2 x 2.70 m

The challenges to Point of Sale (POS) have grown. Customers in DIY stores want to immerse themselves in the world of products, experience something, try out something new and be inspired. Our POS concept takes up these important points: We provide the customer with information right on the retail area and offer advice on selecting the right product.



Triangular sticker:
Cross-selling for your increased turnover

+ Surveys have shown that a large portion of the buying decision for an underlayment is already made in the flooring department when the floor is selected. This is where the concept of our triangular sticker comes in: The stable PVC panel is glued to a floor pattern in the flooring department using a strong adhesive and sensitises the customer to the need for a suitable underlay. The matching underlayment is placed directly under the triangular sticker – exemplary in cross selling.

Digital product consultant as a web-app



We move the PoS to the home sofa: With our product advisor web-app, the customer can relax and find just the right underlayment. Depending on the user preference, the app can also be used just as well in the DIY store.

Staff training at your site

We train your employees professionally so that they can recommend the right underlayment for the selected floor to the customer. We play through typical consulting scenarios and jointly develop possible sales dialogues.



Heavy duty shelf at the point of sale

1. Top sign

On the top level of the heavy-duty shelves there is a clearly visible top sign, which gives the customer orientation with its good long-distance effect.

2. Middle panel

The middle panel guides the customer to the right product, facilitating a quick purchase decision.

3. Digital product consultant

The digital product consultant is a permanently installed tablet equipped with a smart consulting software. The customer scans the EAN of his selected floor, answers a few questions and then receives a product recommendation. The product consultant is also available as an app.

4. Shelf stopper

Here the customer can find information about SELITBLOC® underlayment for vinyl click floors.

Promotional awards: SELITBLOC® received a "very good" rating from "selbst ist der Mann" magazine in 2021. One issue later, SELITPRO® XPO also received this award.



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