

MADE FOR
INDUSTRY

SELIT[®]
Enjoy your home

CATALOGUE

UNDERLAYS

Direct lamination | Private label accessories (OEM)



SELITPAD[®]

SELITPRO[®]

OUR COMMITMENT IS YOUR PERFECT FLOORING

'Our goal is a perfectly functioning flooring system – we give our all to achieve this.'



Our mission

Underlays are a crucial component in achieving a perfectly functioning flooring system.

The importance of underlays for the quality of living and the durability of floor coverings becomes clear when you take a closer look at the subject. And that is exactly what we do every day, with a great deal of passion.

We supply the flooring industry with large rolls and cut-to-size pieces for direct lamination. Close cooperation with our customers ensures that the foams are perfectly adapted to the machine environment and the respective product lines.

We develop individual products and accessory ranges for OEMs and private labels. In doing so, we take specific performance and market positioning criteria into account.

Our motivation is to contribute to a perfectly functioning flooring system with our products. A flooring system that withstands daily challenges and at the same time offers maximum living comfort – without compromise.

SELIT – enjoy your flooring.

Frank Filbir

Roland Skibbe

– SELIT Management –

Sustainability: With responsibility and foresight

As a manufacturer of high-performance foams, we take responsibility for the environment, climate and future generations, and contribute to achieving the climate goals of the United Nations' Agenda 2030. Our holistic approach aims to reduce emissions, use resources efficiently and close material cycles throughout the entire life cycle of our products.

In this way, we combine technical performance with ecological responsibility. Three clear commitments demonstrate our contribution to ecological sustainability – transparent, binding and effective.

COMMITMENT 1

Circular economy & resources

What we do:

We think about materials in terms of the circular economy right from the start. With recyclable designs, high material



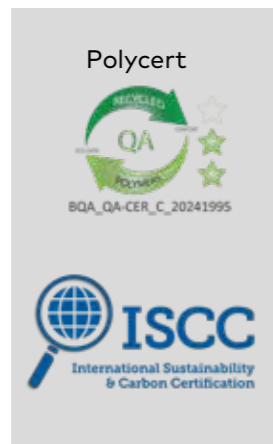
recycling rates and the use of sustainable raw materials, we are actively promoting the transition to a circular economy.

PRODUCTION

- ▶ State-of-the-art recycling system for automatic shredding and regranulation
- ▶ 95% internal foam waste in the regranulate cycle
- ▶ ISCC+ certification for bio-based raw materials, Polycert-certified recycling cycle

PRODUCTS & PACKAGING

- ▶ 100% recyclable foams for mechanical recycling – genuine circularity, no downcycling
- ▶ Development based on the principle of 'designed for recyclability'
- ▶ Up to 80% regranulate content (PIR) in XPS end products
- ▶ 100% recyclable product packaging
- ▶ Outer packaging made from up to 100% recycled material
- ▶ Packaging film with at least 30% recycled content (PCR)



COMMITMENT 2

Decarbonisation & environmental responsibility



What we do:

By using renewable energies, optimising our production infrastructure and implementing intelligent energy management, we aim to

continuously reduce our carbon footprint – thereby making an active contribution to the decarbonisation of industry.

PRODUCTION

- ▶ ISO 50001-certified energy management system
- ▶ 100% green electricity at the production site
- ▶ Own photovoltaic system
- ▶ Open-air cooling systems
- ▶ LED lighting with motion detectors

PRODUCTS & PACKAGING

OEM Products/Private Label:

- ▶ Low emissions and harmless to the living environment (Blue Angel, A+)
- ▶ Volume and weight advantages during transport (due to folded sheet format and low product weight)
- ▶ LCA and EPD for maximum transparency
- ▶ Paper and cardboard from sustainable forestry

- 88 %

CO₂-emissions (Scope 1 & 2) since 2019



COMPANY AND PRODUCT CERTIFICATIONS



COMMITMENT 3

Efficiency & durability



What we do:

For us, efficiency is more than just a process goal. It is part of our product and material DNA. Our solutions save raw materials, minimise waste and impress with their long service life.

PRODUCTS

OEM Products/Private Label:

- ▶ Material-saving formulations with high performance enable low weight combined with high load capacity
- ▶ Long service life of all products thanks to optimum material resistance, even under constant stress

- 30 %

Production waste since 2019

PRODUCTION

- ▶ Efficient material control in the production of XPS/XPO high-performance foams

Made in Germany: Expertise in synthetic foam extrusion

For over 45 years, we have been developing and producing high-quality foam solutions based on synthetic foam extrusion at our site in Germany. As a specialised company with in-depth expertise, we know what matters in day-to-day production. Our strength lies in our mastery of all the crucial stages of the value chain – from raw materials and extrusion to finishing and packaging.

We use XPS (extruded polystyrene) and XPO (extruded polyolefin) for our high-performance foams.

These materials combine high technical performance with resource-saving use of materials, while offering high stability, low weight and reliable processability.

With continuous investment in machinery, automation and material development, we ensure consistently high product quality and create the basis for efficient, precise and application-specific solutions.

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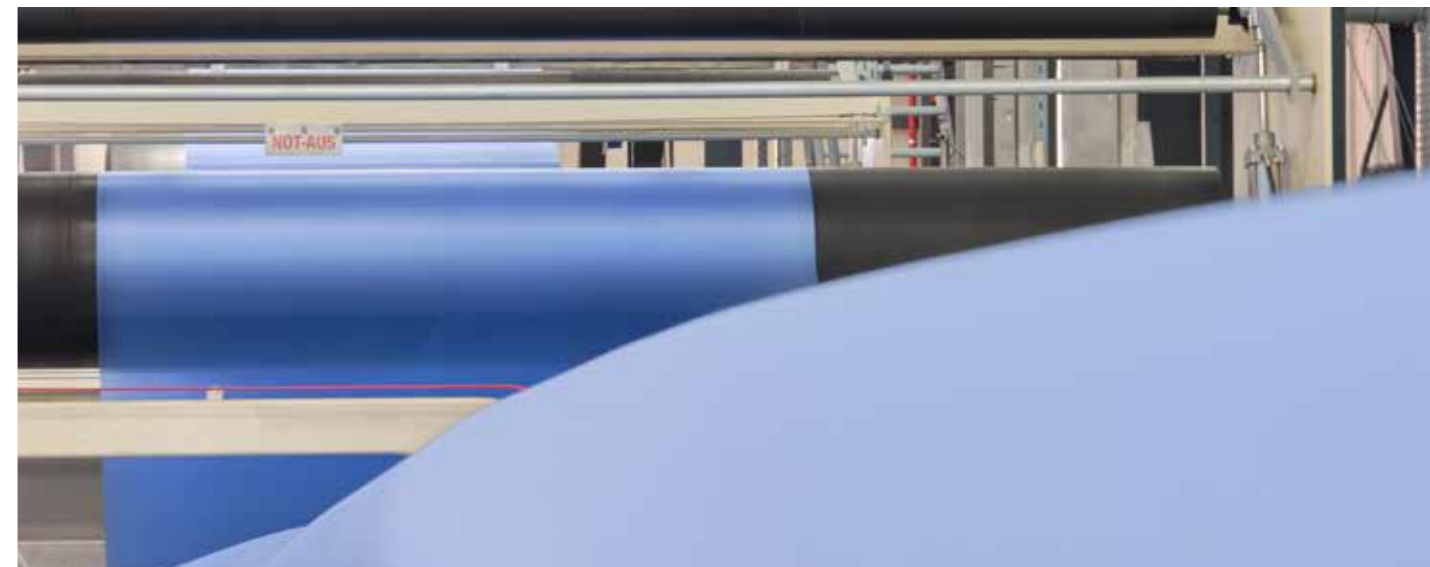


What sets our production apart



Management System
ISO 50001:2018
ISO 9001:2015
www.tuv.com
ID 0910084025

Our production is certified according to ISO 9001 (quality management) and ISO 50001 (energy management). These standards are not just obligations for us, but everyday practice. They ensure reproducible quality, efficient processes and maximum transparency throughout the entire production process.



Raw material

The basis is XPS or XPO granulate, supplemented with colour granulates and functional additives.



Extrusion

Heat and pressure are applied to the granulate to produce a flexible foam sheet. A typical raw roll has a film width of up to 1.6 m and a diameter of up to 2.4 m.



Finishing

Depending on the product requirements, the foam sheet is finished with a coating, printing, custom embossing or a moisture protection film.



Packaging

For OEM products, the finished product is processed as a folding sheet, sheet or roll and packaged in a consumer-friendly and attractive private label sales unit.



Products with market impact: Research & Development

At SELIT, we develop innovative solutions that optimise the performance of flooring systems, prevent damage and increase living comfort. By analysing current industry trends, we tailor our product portfolio precisely to market developments.

At our Erbes-Büdesheim site, we test different raw materials in our technical centre and develop innovative foams to find tailor-made solutions for the market. Many of our projects are developed in collaboration with industry partners, always with the aim of creating individual results. Our 500 m² testing and development laboratory is unique in the industry and enables us

to develop products in accordance with the EN 16354 standard as well as practical solutions. Another special feature is our climate chamber, which we use to precisely simulate the long-term effects of sunlight, humidity and temperature on flooring systems.

With our expertise, we are actively involved in the technical working groups of the European associations EPLF and MMFA, as well as in the standardisation committees of DIN, CEN and ISO, in order to further promote the quality and sustainability of flooring systems.

ASSOCIATION WORK



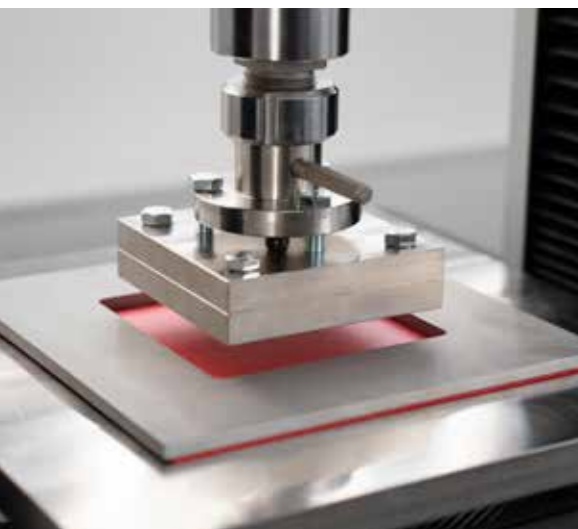
Innovation & Technical advancement



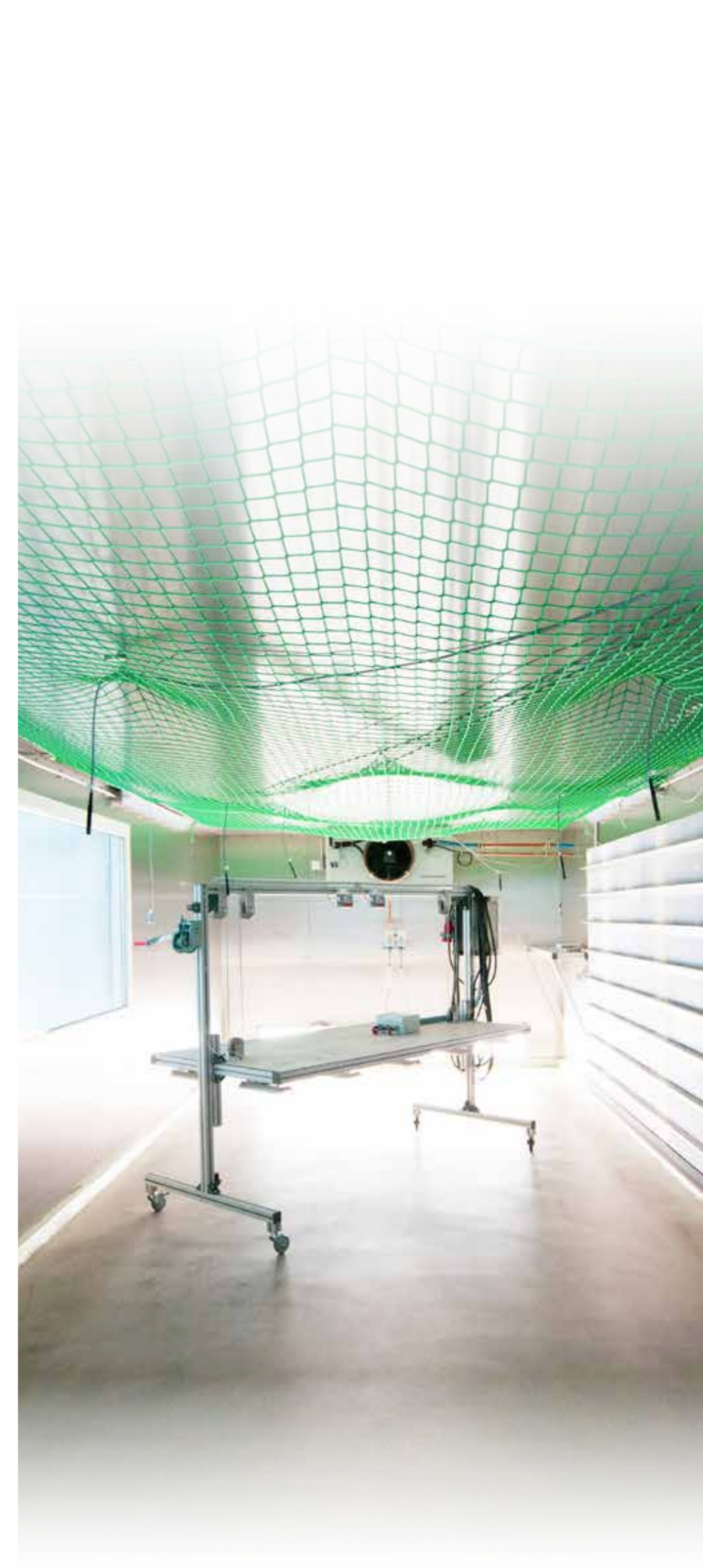
- ▶ Customised foam development – individual and collaborative
- ▶ Sample and trial production – efficiently from idea to prototype
- ▶ Innovative product solutions – future-proof & market-oriented
- ▶ Research & future technologies – raw materials, formulations, processes



Testing expertise & Industry commitment



- ▶ In-house testing and development laboratory – material development & quality assurance
- ▶ Two-level acoustic test facility – practical acoustic measurements
- ▶ Climate chamber and Sun-Beam simulator – realistic environmental conditions
- ▶ Building material and stress tests – making quality measurable
- ▶ European association and standardisation work – active in EPLF, MMFA, DIN, CEN, ISO





UNDERLAYS FOR

DIRECT LAMINATION

Customised foam solutions for pre-laminated flooring

For 25 years, SELIT Dämmtechnik GmbH has been supplying the flooring industry with high-quality synthetic foams for direct lamination.

This is a collaboration we are proud of and which also provides us with valuable input for the development of our own underlays.

Individual collaboration with our customers is a valuable foundation for further development, enabling us to continue developing new innovative solutions for industry and trade in the future.

Advantages in the process

- ▶ Easy application in high-speed applications
- ▶ Increased adhesion through surface treatment, low adhesive consumption
- ▶ High tensile strength
- ▶ Customisable options in size, colour and finish



VIDEO PRE-ATTACHED



Product overview

Developments in the flooring market have led to an expansion of our product portfolio in recent years, enabling us to offer polystyrene and polyolefin foams under the SELITPAD® brand.

	XPO	XPS
Type of foam	Closed-cell, extruded, non-cross-linked polyolefin foam (PE/PP)	Closed-cell, extruded, uncrosslinked polystyrene foam (PS)
Compressive strength	90 – 1,000 kPa	60 – 500 kPa
Thickness	0.8 – 2.0 mm	1.0 – 3.0 mm
Width	Roll: up to 1,600 mm	Roll: up to 1,600 mm Sheets: up to 1,080 mm
Length	Roll: up to 2,000 m	Roll: up to 3,500 m Strips: up to 2.5 m
NEXT GEN-XPS	-	BrilliantTouch™ and BrilliantTouchID™

NEXT GEN-XPS

In 2025, we expanded our product range with our NEXT GEN-XPS **BrilliantTouch™** and **BrilliantTouchID™**.

A soft and flexible high-performance XPS with a surface that impresses with its pleasant soft-touch feel.

A brilliant, intense sheen gives the material an elegant look and creates thick visual accents.

In the embossed **BrilliantTouchID™** version, the product takes on an additional dimension: the precise embossing creates an expressive 3D effect that makes structures visible and tangible. The result is a surface with a strong character that is not only visually impressive. A high-performance XPS that combines design and function in a unique way.

BrilliantTouch™

- ▶ Soft and flexible high-performance XPS
- ▶ Pleasant soft-touch feel
- ▶ Brilliant, intense shine

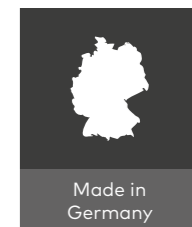
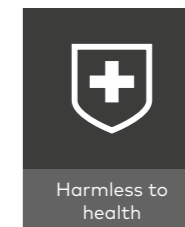
BrilliantTouchID™

- ▶ Includes all the advantages of BrilliantTouch™
- ▶ Also offers the option of impressive 3D effect embossing



Quality and sustainability

- ▶ Excellent sound insulation
- ▶ High performance with low thickness
- ▶ Pressure-resistant and durable for long-lasting performance
- ▶ 100% recyclable, zero waste
- ▶ Resistant to moisture, mould and bacteria
- ▶ Resistant to solvents and chemicals (applies to XPO only)
- ▶ Low emissions, environmentally friendly and non-toxic
- ▶ Weight-efficient and resource-saving due to low density





UNDERLAY AS

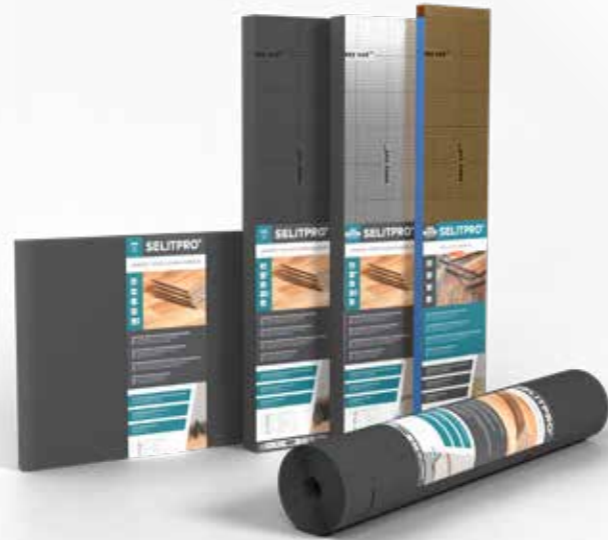
**ACCESSORIES IN
PRIVATE LABEL (OEM)**

We support you on your way to a successful own brand

Would you like to develop innovative products and product lines under your own brand name or customise existing products? Whether you need rolls or folding sheets, we are your strong partner from product idea and development to implementation and production.

We also develop packaging to suit the respective product in our own in-house graphics department. You benefit from a wide range of services for market-oriented solutions: individual product names, packaging shapes, images, graphics and much more. Efficient logistics, fast supply chains and great production flexibility ensure maximum customer satisfaction.

Create the ideal conditions for successfully placing and distributing your own brand product on the market with SELIT.



Your advantages at a glance

- ▶ Customised underlays for laminate/wood flooring and vinyl click flooring
- ▶ Tailor-made product specifications and packaging
- ▶ Professional support from SELIT's in-house marketing department
- ▶ Wide range of certification options

To the point

Lots of technical data, lots of unanswered questions. Not with us. In our product communication, we have focused on the most important criteria and advantages when selecting a suitable

underlay. Depending on performance, the individual criteria can be evaluated differently.

For laminate and wood flooring



Load capacity

Combines permanent, temporary and dynamic pressure loads and provides information about the load capacity of the floor system.



Punctual conformability

Assesses the ability to compensate for unevenness in the substrate



Acoustic insulation

Takes impact sound reduction into account



Thermal insulation

Takes into account the thermal resistance for suitability as thermal insulation



Suitability for underfloor heating

Takes into account the thermal resistance for suitability for underfloor heating

For vinyl click flooring



Load capacity

Combines permanent, temporary and dynamic pressure loads and provides information about the load capacity of the floor system.



Punctual conformability

Assesses the ability to compensate for unevenness in the substrate



Acoustic insulation

Takes impact sound reduction into account



Suitability for underfloor heating

Takes into account the thermal resistance for suitability for underfloor heating

Underlays for laminate and wood flooring

It all depends on the right underlay

Wood flooring and laminate flooring create a cosy living atmosphere and are easy to install thanks to their click system.

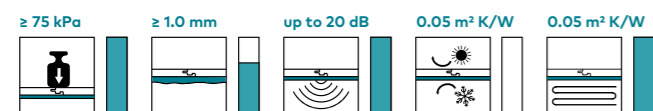
To ensure that your floor provides you with long-term enjoyment, it is essential to use suitable underlays.

Our range includes underlays for different sub-floors and requirements – from entry-level solutions to premium products with pioneering properties. We place the highest value on quality, health safety and application reliability.

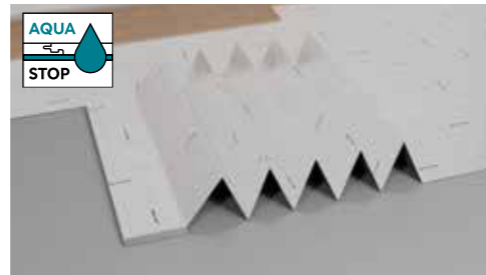
SELITPRO® XPS 2 mm



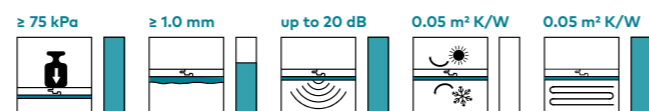
1.2 m x 12.5 m | 15 m² | PU: 27



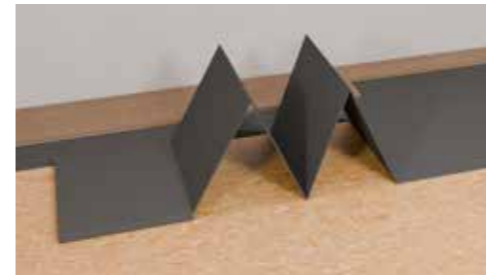
SELITPRO® XPS AquaStop 2 mm



1.2 m x 12.5 m | 15 m² | PU: 27



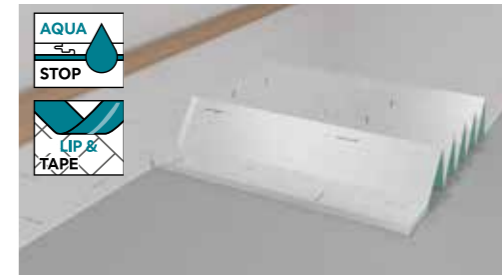
SELITPRO® XPS 4 mm



0.8 m x 7.5 m | 6 m² | PU: 34



SELITPRO® XPS AquaStop 3 mm



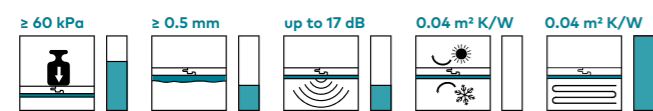
1.2 m x 8.5 m | 10.2 m² | PU: 27



SELITPRO® XPS 1.4 mm



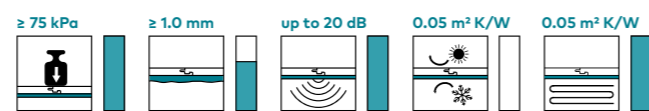
1 m x 22.5 m | 22.5 m² | PU: 20



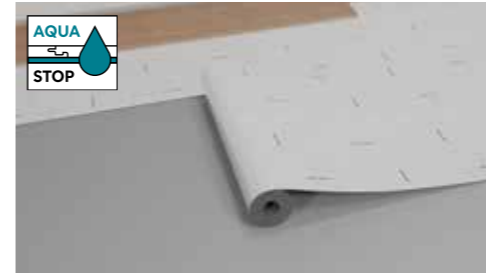
SELITPRO® XPS 2 mm



1.2 m x 16.5 m | 19.8 m² | PU: 18



SELITPRO® XPS AquaStop 2 mm



1.2 m x 16.5 m | 19.8 m² | PU: 18



SELITPRO® XPO 2 mm



1 m x 10 m | 10 m² | PU: 24



Underlay for vinyl click flooring

What lies beneath is important

Thanks to a wide range of designs, colours and textures, the market for vinyl click flooring, LVT, SPC and rigid flooring, is very attractive. These floors are also often suitable for damp rooms.

However, as vinyl click flooring are usually thinner and more flexible than laminate and the click connection is more sensitive, the subfloor plays a crucial role.

SELITPRO® vinyl click underlays have been specially developed for these requirements. They protect the click connection from damage

caused by unevenness in the substrate and prevent these uneven areas from showing through in the floor (telegraphing effect).

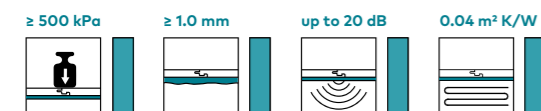
Although LVT floors are considered quiet, this mainly applies to walking noise in the room. Impact sound in rooms below can be clearly audible. SELITPRO® vinyl noticeably improves sound properties, thereby increasing living comfort.

SELITPRO® vinyl click underlays are suitable for all floating vinyl, design, LVT, SPC and rigid floors with click systems.

SELITPRO® VINYL AquaStop 1.5 mm



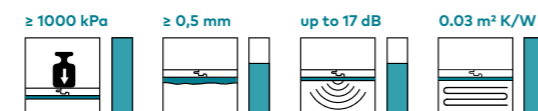
1.2 m x 7 m | 8.4 m² | PU: 27



SELITPRO® VINYL 1 mm



1 m x 10 m | 10 m² | PU: 40

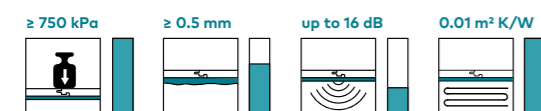


SELITPRO® ECO 1.5 mm



Made from bio-based raw materials and mineral fillers.

1 m x 10 m | 10 m² | VE: 40



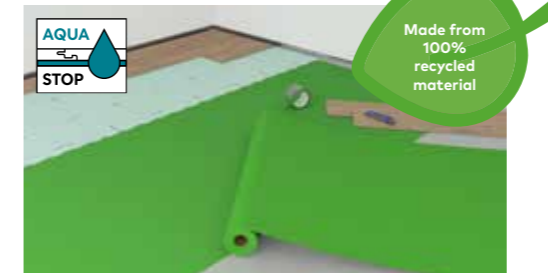
Moisture protection accessories

Moisture protection is crucial

SELITPRO® moisture protection films guarantee professional moisture protection, which is necessary for mineral substrates.

This is the only way to reliably protect floor coverings and skirting boards from moisture and damage.

SELITPRO® PE vapour barrier

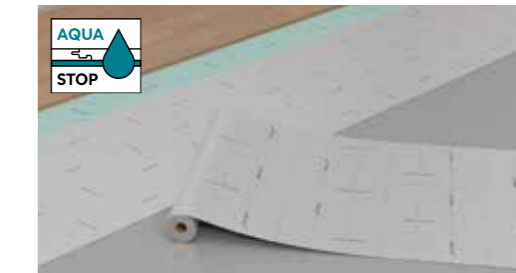


2 m x 13 m | 26 m² | PU: 4

SD	≥ 75 m (EN 16354/SWN 104)
RTF	E _{II} (EN 16354/SWN 103)
R	< 0.01 m ² K/W (DIN 4108)



SELITPRO® Comfort vapour barrier



1 m x 26 m | 26 m² | PU: 4

SD	≥ 75 m (EN 16354/SWN 104)
RTF	E _{II} (EN 16354/SWN 103)
R	< 0.005 m ² K/W (DIN 4108)

Low-emission products with certification option

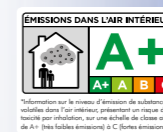
Through the use of low-emission materials and adherence to high quality standards, our products meet the basic requirements for recognised environmental certifications. Depending on the product design and project requirements, A+ or Blue Angel certification is available on request.

In addition, SELIT confirms QNG eligibility. This logo can also be used on selected products by arrangement.

Building authority compliance is an integral part of our quality standards for our products.



www.blauer-engel.de/uz156





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