



owline

Barlinek

FixMat

SOUND 2.1 SD

PROFESSIONAL UNDERLAYMENT

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is a smart and reasonable
consumer choice

Engineered wood floors are products designed within the ideology of ecological floor coverings with a functional layer (veneer) of hardwood. The wood floors can be installed by either gluing it onto the substrate or by floating (glueless). The wooden floorings, like artificial laminate and vinyl floorings, are often installed using the so-called "floating systems" on various types of underlays.

To use the wooden flooring safely for many years without reducing its quality, it is essential to apply the appropriate underlay, which will protect the flooring from bending at the joints, against walls, as well as not block heat from the heating systems, protect against moisture, soundproof the flooring in the room as well as under it.

Often, on account of the sellers' ignorance, lightweight plastic foams, and films that are not suitable for use under the wooden floors which, are recommended to customers. This can ultimately damage the flooring and adversely affect the performance of the floor.

By completely skipping the underlay, it may result in the flooring getting damaged in the future which will make you hear unpleasant knocks and squeaking throughout the installation. The resulting sounds negatively influence the assessment of the flooring itself, which in the opinion of the user, does not meet the expectations of the highest quality floors. Additionally, the strange sound that comes from the floorings is described by the users as unpleasant to the ear. These issues can be prevented by using Barlinek's original **OWLINE** underlay.

Barlinek designed the underlay for its products that works in the following ways:

- enables correct installation of the flooring,
- improves the performance characteristics of the flooring,
- ensures that the flooring will last for many years.

Only this underlay guarantees that the floating floor properties are similar to floors that are glued onto the substrate.



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MADE IN GERMANY

WHILE MAINTAINING THE RIGHT PROPORTIONS OF DENSITY AND THICKNESS OF THE MAT, BARLINEK HAS MANAGED TO DESIGN AN ECOLOGICAL PRODUCT THAT OPTIMALLY MEETS ALL THE REQUIREMENTS FOR THE BEST UNDERLAYS.

THE FIXMAT SOUND 2.1 SD UNDERLAY IS DEDICATED TO BE USED UNDER MULTI-LAYER ENGINEERED WOOD FLOORS but can be successfully used under artificial laminate floor with locking joints (the underlay meets the strict requirements set by the EPLF association).

This underlay has a wide range of applications, but most importantly it:

- Improves acoustic comfort - high level of soundproofing and sound absorption.
- Perfectly conducts heat that may help with **saving** on heating costs.
- Has a very high coefficient of **resistance to loads** - for rooms with heavy traffic, extends the flooring **service life**.
- Additionally, it is integrated with a metallised vapour control film (after being glued with a tape) - **it does not allow residual moisture from the substrate to pass through**.

The **7.5 x 1 m** flooring mat, due to its high specific weight of approx. **1.85 kg/m²**, is available in rolls of **7.5 m²**.

The underlayment is heavy, thus it does not roll; it adapts well to the substrate, and the correct rolling direction on the roll allows to spread it **quickly and easily** without much effort. It is the ideal mat format to **minimise waste**, making it easy to calculate the amount needed for each room.



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ECOLOGICAL

The FixMat Sound 2.1SD is a high quality, **eco-friendly product** made from up to **90% natural minerals** and polyurethane binders. The product is free of plasticisers, asbestos, formaldehyde, halogens, and heavy metals. It meets the guidelines of the French **AFSSET A+** regarding the requirements of VOC (Volatile Organic Compounds). The product has the "**BLUE ANGEL**" label - an eco-label confirming that it is safe for the environment and people.

NON-FLAMMABLE

The high content of the mineral raw materials make the underlayment a high flame retardant class **B₁S1 „non-flammable”**, which means that it can be used in public facilities.





QUIET

Thanks to its unique structure, the underlay adapts perfectly to the substrate and the board, thus providing acoustic comfort comparable to that achieved with glued floor:

- **Acoustically isolates up to 19dB** – perfectly **soundproofs footsteps** heard in rooms below - it turns high, tiresome sounds into low and pleasant to the ear.
- **Improves acoustics by approx. 30%** – **reduces flooring sounds** heard indoors, e.g., footsteps.



WARM

Thanks to the high density of 860 kg/m³, we obtain **excellent thermal conductivity**.

The underlay is ideal to install in rooms where underfloor heating is used, as the heat resistance coefficient is only **0.009 [m² K/W]**. **It doesn't block heat**. This is the best parameter among the underlays offered on the market for soundproofing wooden floorings. Low heat resistance means that it **can also be used on the floor's cooling systems**.



DRY

Moreover, the mat is **integrated with the vapour barrier**. No additional film is needed. That allows you to save one step in the installation process. Just join the mat edges with the metallised tape. In this way, the flooring is protected against moisture from the substrate. **A roll of tape (38 mm x 20 m) is located in the middle of each underlay package**.



SAFE

Thanks to its high density, the underlay has a **high resistance to static** as well as to dynamic loads; it does not change its properties over the years. This is particularly important for the safety and protection of the lockings joints used on the glue-free board joints.



DURABLE

The highest resistance to dynamic loads on the market.

The base material of the mat is made of durable raw material; it does not oxidise and does not change its properties - **the life span calculated on the basis of min. 30 years***.

30 years* – Barlinek's internal research in laboratory conditions has proven that the use of the FixMat SOUND has an effective outcome on the usability and durability of a wooden floor.

FIXMAT



30 YEARS

PE



10 YEARS

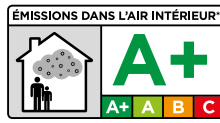
XPS



5 YEARS



www.blauer-engel.de/uz5



OTHER UNDERLAYS OFFERED BY BARLINEK

Barlinek offers other natural underlays as an alternative to the FixMat underlayment, depending on the application:



CORK MAT (thickness: 2mm) - natural, durable, and flexible product:

- good sound insulation up to 20 [dB]
- resistant to high loads (high density - 200-240 [kg/m³])
- can be used for underfloor heating (thermal resistance coefficient - 0.04 [W/mK])
- easy and fast to assemble

catalogue No. POD002001

Packaging: 10 m² roller



ECO BOARD (different thicknesses - 4 mm; 5.5 mm; 7 mm) - natural wood fibre product:

- excellent thermal insulation (not suitable for underfloor heating)
- very good levelling of unevenness of the substrate up to approx. 3 [mm] (depending on the thickness)
- good sound insulation up to 19 [dB]
- resistant to loads (density - 250 [kg/m³])

catalogue No. POD00100

Package: 6.99 m² boards (board size 590 mm x 790 mm)

Each underlay has different properties for use under wooden flooring, so choose the right underlay according to your needs:

APPLICATION OF BARLINEK UNDERLAYMENTS - COMPARISON



APPLICATION	FixMat Sound	Cork mat	ECO board
FLOORING SOUNDPROOFING	●●●●●○○○	●●●●○○○○	●●●○○○○○
ROOM SOUNDPROOFING	●●●●●●●○	●●●○○○○○	●○○○○○○○
THERMAL CONDUCTIVITY	●●●●●●●○	●●○○○○○○	○○○○○○○○
THERMAL INSULATION	●●●●●●●●	○○○○○○○○	○○○○○○○○
RESISTANCE TO LOADS	●●●●●●●○	●●●●○○○○	●●●○○○○○
SUBSTRATE LEVELLING	●●●○○○○○	●●●○○○○○	●●●●●●●○
THERMAL INSULATION	○○○○○○○○	●●●●○○○○	●●●●●●●○



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