Download our Apps

Floor heating energy cost calculator

- Estimate possible heating cost savings when choosing the right floor underlay.
- Define your heating and flooring system in only 2 simple steps.
- Setup custom fuel costs and currency in OPTIONS.

Great! You can save up to
2982.79 EUR

RWS simulator

- Start/stop simulation.
- Hear the difference in footstep noise when using different underlays.

Available on the App Store

Available on Google Play

Scan QR Code for more information.
General information

All data are based on our experience and careful investigations. The diversity of the materials used, as well as the different construction site and processing conditions, can not be examined or influenced by us in detail. The quality and function therefore depends on the expert site evaluation and product use. In case of doubt, carry out your own tests or seek advice on our application technology. When processing, please observe the rules of technology as well as the manufacturing specifications of the building materials involved and constantly changing state of technology. Product information is subject to change without notice. Please visit our webpage for updated product informations.
Welcome to Fair Underlay – a rising polish brand of professional grade floor underlays. As a part of Fair Packaging Group, we have a strong technological background and top experience in polyethylene foaming and processing. Since 2003 we develop our competence in the area of flooring industry standards and requirements. Market demand investigations and customer-oriented attitude helped us to develop unique products with excellent value for money.

I’m proud to present you the results of our intensive work from several years, both in product development and communication area. All of this wouldn’t be possible without a great team I lead, starting from production, purchasing, quality management, customer service, product development, marketing, up to sales.

Meet the brand new product range of Fair Underlay, divided in four lines: BASE, MAX, SPECIAL and EXTREME. Find unique values in usability and durability and choose your perfect range of underlays or let us choose for you – we have the know-how and will be happy to support you. Use our laboratory to compare critical parameters between different products available on the market. Become our partner because we prefer partnership over sales. Start using our unique marketing support and tools you will not receive from anyone else.

It’s only the beginning – be the first to start!

Fair Underlay – simply fair.

Mateusz Prętki
President of The Board
Our Laboratory

In 2016 Fair Underlay introduced its own testing laboratory. We have top class, highly educated specialists evaluating all the important product parameters and performances. Laboratory covers both regular conformity and quality tests connected to standard production process and new products development processes.

Starting 2017, we did an opportunity for producers without a know-how and sophisticated testing equipment to conduct a range of professional product tests according to European standards.
Underlay Materials under Laminate Floor Coverings – critical parameters following EPLF bulletin (08/2014)

As a flooring industry specialist, we know how important are floor underlays parameters. All our products are tested accordingly to the EPLF recommendation and the CEN/TS 16354 norm. You can find all the confirmed specifications and performance values in corresponding product technical data sheets. For testing purposes we use our own laboratory and well known scientific institutes in many European countries. We have conducted market-specific technical approvals, such as DIBt, ITB among others.

Following EPLF Technical Bulletin (English edition 08/2014) - Underlay Materials under Laminate Floor Coverings. Test Standards and Performance Indicators:

**TR: thermal resistance requirement for underfloor heating systems:**
With underfloor heating systems, the flooring system must not affect the heating function, i.e. the transfer of heat from the floor heating into the room must not be excessively impeded by a heat insulating floor layer. According to the BVF and the European standard for underfloor heating dimensioning (EN 1264-3), the level of thermal resistance Rˌ B for the entire flooring system must not exceed 0.15 (m²*K)/W.

**PC: Requirements relating to unevenness**
It is frequently the case that existing substrates (particularly floorboards, tiles, etc.) do not meet the requirements for evenness stipulated in DIN 18202 (see also EPLF Technical bulletin “Installation of Laminate Floor Covering”). Smaller localized uneven areas can be leveled out by using appropriate underlayments. These are able to accommodate small grains of screed, for example, and thus create a flat surface for laying the laminate floor covering.

The capacity to level out localized uneven areas is expressed using the PC value. This is always given in mm and indicates an underlayment’s capacity to level out an uneven surface.

**SD: Floor moisture resistance requirements**
With mineral substrates (e.g. concrete, screed, etc.), a certain amount of residual moisture in the substrate has to be expected which might damage the laminate floor covering. Therefore, a water vapor control layer in the form of a film is recommended for use on mineral substrates as a general principle. The thickness of the water vapor control layer on its own is not significant in this case, but the type and quality of the water vapor control layer are important.

The capacity to impede the diffusion of vapor is expressed using the sd value (SD). Based on practical experience, this value should be at least 75 m.

**DL25: Requirements with dynamic loads**
A typical load for a flooring system is the dynamic load which is generated when walking over the flooring (e.g. hallways, offices, shop floors, etc.) or when chairs are used (e.g. office chairs rolling on castors, dining room chairs scraping back from the table, etc.). Here, the underlayment needs to be able to withstand repeated loads of short duration without undergoing a change to its properties in the long term.

This capacity is expressed using the DL25 value. It involves applying a defined dynamic load to the underlay (as is usually generated when walking or moving an office chair over the floor) and calculating the number of cycles until a change is recorded in the properties of the underlayment.

A minimum value of 10,000 cycles is recommended. For higher requirements, the DL25 value must be at least 100,000 cycles.

**CS: static loads (1)**
In order to maximize the service life of the joining system connecting the laminate boards, the underlayment must not yield too much or become deformed when a load is applied. Severe deformations could cause irreparable damage to the joining system and/or the HDF core layer.

The capacity of the joining system to support these types of loads is expressed using the CS value. Based on practical experience, the system needs to have a compressive strength of at least 10 kPa (0.5 mm).

For higher requirements, the CS value must be at least 60 kPa.

**CC static loads (2)**
The behavior of the underlayment when subjected to a sustained load - under heavy furniture, for example - is expressed using the CC value. This rates how an underlayment reacts when subjected to a sustained load for ten years. In this case, the recommended compression strength is at least 2 kPa (0.5 mm).

For higher requirements, the CC value must be at least 20 kPa.

**RLB: Requirements for impact resistance**
Flooring systems are also subject to stress when objects are dropped onto them [e.g. toys, pans, etc.]. In this case, the flooring system needs to be able to absorb extreme forces of short duration, as otherwise this might damage the laminate floor surface.

This capacity is expressed using the RLB value. It should be at least 1200 mm.

For higher requirements, the RLB value must be at least 1200 mm.

**ISLam: Requirements relating to impact sound reduction**
Impact sound is understood as the noise which is heard in the room below or next door as the structure-borne noise, generated when a laminate floor covering is used. The capacity of an underlayment to reduce impact sound is expressed using the ISLam (noise impact reduction) value. The ISLam value of an underlayment for footstep soundproofing should be at least 14 dB.

For higher requirements, the ISLam value must be at least 18 dB.

**RWS: Requirements for reflected walking sound reduction**
Walking sound is understood as the noise that is heard when the laminate floor covering inside the room itself is used (e.g. when walking over it, playing on it, etc.). Currently on the basis of EN 16205 especially for laminate floor coverings a test method is developed that can reflect the „perceived loudness” of a laminate floor covering by the RWS-value. An appendix or a part 2 of the standard is planned describing the evaluation of the perceived loudness of a laminate floor covering.
The patented RWS Barrier technology is a core material of premium range floor underlays manufactured by Fair Underlay as Extreme Line products.

Thanks to the innovative production process we developed a material, which sets new highest standards in terms of RWS parameter (reflected walking sound improvement), which reached values up to 40%.

Other commercially available premium underlays (including most expensive polyurethane based heavy mats) can reach the RWS value only between 12 and 31%. After introducing RWS Barrier, PU based underlays became only average performing products in reflected walking sound improvement.

RWS Barrier based underlays belong to the category of heavy mats having a density above 900 kg / m³ and a very high resistance load of up to 350 kPa. Thanks to the composition, which is secret of the company and is protected by international intellectual property law, Extreme line products are also great heat conductors, which puts them at the forefront of underlays recommended for underfloor heating.

The product received a highest score (class A+) in the emissions of harmful compounds (VOC) test and acoustic parameters were confirmed in EPH GmbH. All operating parameters have been tested in accordance with the EPLF recommendation and according to their research methods. We are also in the process of DIBt approval.

More than 97% of RWS Barrier technology components are natural. The product is 100% recyclable and environmentally friendly.

RWS Barrier is produced in Poland and is 100% based on virgin raw materials.
Product highlights

- Closed cells LDPE foam used for installation of laminated and engineered floating floors.
- Integrated vapor barrier with overlap and tape for fast installation.
- Compensates local unevennesses up to 1.55mm.
- Can be laid easily and quickly, since it is always flat and has a slippery surface.
- 100% recyclable, FCKW and HFCKW free.
- Ecologically friendly.

Storage
Approx. 1 year, protecting from direct sunlight or other weather influences.

Application
Unroll underlayment over subfloor with vapor barrier layer facing up and individual rows butting to one another and seal the joints with aluminum sealing tape or using integrated overlapping and tape (if applicable).
Product highlights

- Closed cells MDPE foam used for installation of laminated and engineered floating floors.
- High heat transfer rate for efficient floor heating usage.
- 100 % recyclable, FCKW and HFCKW free.
- Ecologically friendly.

Functionality

<table>
<thead>
<tr>
<th>Logistic Parameter</th>
<th>Sales Unit</th>
<th>Packaging</th>
<th>Palette</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Roll</td>
<td>-</td>
<td>Cardboard</td>
</tr>
<tr>
<td>Quantity</td>
<td>1 Pcs.</td>
<td>-</td>
<td>24 Rolls</td>
</tr>
<tr>
<td>Area</td>
<td>15m²</td>
<td>-</td>
<td>360m²</td>
</tr>
<tr>
<td>Weight</td>
<td>0.9kg ± 10%</td>
<td>-</td>
<td>21.6kg ± 10%</td>
</tr>
</tbody>
</table>

Storage
Approx. 1 year, protecting from direct sunlight or other weather influences.

Application
Remember to apply a vapor barrier of SD>75m directly to the subfloor and seal its joints with aluminium sealing tape first. Unroll underlay on the sealed vapor barrier, with individual panels adjacent to one another and seal the joints with aluminum sealing tape.
Product highlights

- Closed cells LDPE foam used for installation of laminated and engineered floating floors.
- Integrated, vapor barrier with overlap and tape for fast installation.
- Can be laid easily and quickly, since it is always flat and has a slippery surface.
- Provides good impact sound reduction.
- 100% recyclable, FCKW and HFCKW free.
- Ecologically friendly; 100% recyclable, FCKW and HFCKW free.

Functionality

Durability

<table>
<thead>
<tr>
<th>Logistic Parameter</th>
<th>Sales Unit</th>
<th>Packaging</th>
<th>Palette</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Roll</td>
<td>-</td>
<td>Cardboard</td>
</tr>
<tr>
<td>Quantity</td>
<td>1 Pc.</td>
<td>-</td>
<td>24 Rolls</td>
</tr>
<tr>
<td>Area</td>
<td>15m²</td>
<td>-</td>
<td>360m²</td>
</tr>
<tr>
<td>Weight</td>
<td>2.85kg ± 10%</td>
<td>-</td>
<td>68.4kg ± 10%</td>
</tr>
</tbody>
</table>

Storage

Approx. 1 year, protecting from direct sunlight or other weather influences.

Application

Unroll underlayment over subfloor with vapor barrier layer facing up and individual rows butting to one another and seal the joints with aluminum sealing tape or using integrated overlapping and tape (if applicable).
Product highlights

- Closed cells LDPE foam used for installation of laminated and engineered floating floors.
- 3D structural layer for impressive local unevenness compensation capability up to 1.65 mm.
- Provides good impact sound reduction.
- 100% recyclable, FCKW and HFCKW free.
- Ecologically friendly.

Functionality

Durability

<table>
<thead>
<tr>
<th>Logistic Parameter</th>
<th>Sales Unit</th>
<th>Packaging</th>
<th>Palette</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Roll</td>
<td>-</td>
<td>Cardboard</td>
</tr>
<tr>
<td>Quantity</td>
<td>1 Pc.</td>
<td>-</td>
<td>24 Rolls</td>
</tr>
<tr>
<td>Area</td>
<td>15m²</td>
<td>-</td>
<td>360m²</td>
</tr>
<tr>
<td>Weight</td>
<td>1.89kg ± 10%</td>
<td>-</td>
<td>45.36kg ± 10%</td>
</tr>
</tbody>
</table>

Storage

Approx. 1 year, protecting from direct sunlight or other weather influences.

Application

Remember to apply a vapor barrier of SD>75m directly to the subfloor and seal its joints with aluminium sealing tape first. Unroll underlay on the sealed vapor barrier, with individual panels adjacent to one another and seal the joints with aluminum sealing tape.
BaseCOMBI Pro

Medium density polyethylene underlay with unique, 3-layer structure composed of reinforced vapor barrier of SD>104m and metallised, thermo reflective film.

Product highlights
- Closed cells MDPE foam used for installation of laminated and engineered floating floors.
- 3-layer structure for a wide range of applications.
- Integrated, reinforced vapor barrier with overlap and tape for fast installation.
- Metallised thermo reflective film for enhanced protection against heat loss.
- 100 % recyclable, FCKW and HFCKW free.
- Ecologically friendly.

Functionality

Durability

<table>
<thead>
<tr>
<th>Logistic Parameter</th>
<th>Sales Unit</th>
<th>Packaging</th>
<th>Palette</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Roll</td>
<td>-</td>
<td>Cardboard</td>
</tr>
<tr>
<td>Quantity</td>
<td>1 Pc.</td>
<td>-</td>
<td>24 Rolls</td>
</tr>
<tr>
<td>Area</td>
<td>15m²</td>
<td>-</td>
<td>360m²</td>
</tr>
<tr>
<td>Weight</td>
<td>3.6kg ± 10%</td>
<td>-</td>
<td>86.4kg ± 10%</td>
</tr>
</tbody>
</table>

Storage
Approx. 1 year, protecting from direct sunlight or other weather influences.

Application
Unroll underlayment over subfloor with vapor barrier layer facing up and individual rows butting to one another and seal the joints with aluminum sealing tape or using integrated overlapping and tape (if applicable).
Product highlights

- Improved impact sound reduction for better privacy protection.
- Enhanced resistance against heavy loads for rooms with medium traffic intensity.
- Very good local unevenness compensation of up to 2.5 mm

Storage
Approx. 1 year, protecting from direct sunlight or other weather influences.

Application
Remember to apply a vapor barrier of SD>75m directly to the subfloor and seal its joints with aluminium sealing tape first. Place sheets of underlay on the sealed vapor barrier, with individual panels adjacent to one another and seal the joints with aluminum sealing tape.
Product highlights
• Perfect thermal insulation for protection against heat loss.
• Highest local unevenness compensation of up to 5 mm.

Storage
Approx. 1 year, protecting from direct sunlight or other weather influences.

Application
Remember to apply a vapor barrier of SD>75m directly to the subfloor and seal its joints with aluminium sealing tape first. Place sheets on the sealed vapor barrier, with individual panels adjacent to one another and seal the joints with aluminum sealing tape.
High density polyethylene underlay for heavy loaded, both residentially and commercially used floors, suitable for floor heating.

Product highlights
• Closed cells HDPE foam used for installation of laminated and engineered floating floors.
• Suitable for floor heating - exceeds thermal conductivity recommended by EPLF.
• For high demands on pressure stability under heavy loaded floors.
• Very high material density.
• 100 % recyclable, FCKW and HFCKW free.
• Ecologically friendly.

Storage
Approx. 1 year, protecting from direct sunlight or other weather influences.

Application
Remember to apply a vapor barrier of SD>75m directly to the subfloor and seal its joints with aluminium sealing tape first. Unroll underlay on the sealed vapor barrier, with individual panels adjacent to one another and seal the joints with aluminum sealing tape.
MaxSD Pro

High density polyethylene underlay with integrated PE vapor barrier and increased impact sound reduction, suitable for floor heating.

**Product highlights**
- Closed cells HDPE foam used for installation of laminated and engineered floating floors.
- Suitable for floor heating - exceeds thermal conductivity recommended by EPLF.
- Integrated vapor barrier with overlap and tape for fast installation.
- Meets Dutch impact sound reduction requirements for residential buildings $\Delta L_{w}=10$ dB / $\Delta L_{r}=20$ dB confirmed by TFI test report.
- For high demands on pressure stability under heavy loaded floors.
- Can be laid easily and quickly, since it is always flat and has a slippery surface.
- Very high material density.
- 100 % recyclable, FCKW and HFCKW free.
- Ecologically friendly.

**Logistic Parameter**

<table>
<thead>
<tr>
<th>Logistic Parameter</th>
<th>Sales Unit</th>
<th>Packaging</th>
<th>Palette</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Roll</td>
<td>-</td>
<td>Cardboard</td>
</tr>
<tr>
<td>Quantity</td>
<td>1 Pc.</td>
<td>-</td>
<td>24 Rolls</td>
</tr>
<tr>
<td>Area</td>
<td>15m²</td>
<td>-</td>
<td>360m²</td>
</tr>
<tr>
<td>Weight</td>
<td>5.25kg ± 10%</td>
<td>-</td>
<td>126kg ± 10%</td>
</tr>
</tbody>
</table>

**Storage**

Approx. 1 year, protecting from direct sunlight or other weather influences.

**Application**

Unfold underlayment over subfloor with vapor barrier layer facing up and individual rows butting to one another and seal the joints with aluminum sealing tape or using integrated overlapping and tape (if applicable).
Product highlights

- Closed cells HDPE foam used for installation of laminated and engineered floating floors.
- Suitable for floor heating – exceeds thermal conductivity recommended by EPLF.
- Integrated, metallised vapor barrier with overlap and tape for fast installation.
- At the same time, the vapor barrier film ensures a better surface tension and protects the click connections of the upper floor from damage.
- For high demands on pressure stability under heavy loaded floors.
- Can be laid easily and quickly, since it is always flat and has a slippery surface.
- Very high material density.
- 100% recyclable, FCKW and HFCKW free.
- Ecologically friendly.

Storage
Approx. 1 year, protecting from direct sunlight or other weather influences.

Application
Unroll underlayment over subfloor with vapor barrier layer facing up and individual rows butting to one another and seal the joints with aluminum sealing tape or using integrated overlapping and tape (if applicable).
Product highlights
- Closed cells UHD polyethylene foam used for installation of LVT floors.
- Antislip surface for locking system protection.
- Perfect for floor heating, in opposite to XPS based LVT underlays.
- For high demands on pressure stability under heavy loaded floors.
- Very high material density.
- 100 % recyclable, FCKW and HFCKW free.
- Ecologically friendly

Functionality

Durability

<table>
<thead>
<tr>
<th>Logistic Parameter</th>
<th>Sales Unit</th>
<th>Packaging</th>
<th>Palette</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Box</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Quantity</td>
<td>1 Pcs.</td>
<td>-</td>
<td>48 Rolls</td>
</tr>
<tr>
<td>Area</td>
<td>15m²</td>
<td>-</td>
<td>720m²</td>
</tr>
<tr>
<td>Weight</td>
<td>3.15 kg ± 10%</td>
<td>-</td>
<td>151.2 kg ± 10%</td>
</tr>
</tbody>
</table>

Storage
Approx. 1 year, protecting from direct sunlight or other weather influences.

Application
Unroll underlay on the sealed vapor barrier, with individual panels adjacent to one another and seal the joints with aluminum sealing tape.
SPECTIALline
Product highlights

- Closed cells HDPE foam used for installation of laminated and engineered floating floors.
- Integrated vapor barrier for fast installation.
- Metallised layer for heat loss protection.
- 100% recyclable, FCKW and HFCKW free.
- Ecologically friendly.

Functionality

High density, folded polyethylene underlay with metallised vapor barrier and thermal reflection capability.

Durability

<table>
<thead>
<tr>
<th>Logistic Parameter</th>
<th>Sales Unit</th>
<th>Packaging</th>
<th>Palette</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Folded pack</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Quantity</td>
<td>1 Pce.</td>
<td>-</td>
<td>40 folded packs</td>
</tr>
<tr>
<td>Area</td>
<td>10m²</td>
<td>-</td>
<td>400m²</td>
</tr>
<tr>
<td>Weight</td>
<td>2.27kg ±10%</td>
<td>-</td>
<td>90.8kg ±10%</td>
</tr>
</tbody>
</table>

Storage

Approx. 1 year, protecting from direct sunlight or other weather influences.

Application

Unfold underlayment over subfloor with vapor barrier layer facing up and individual rows butting to one another and seal the joints with aluminum sealing tape or using integrated overlapping and tape (if applicable).
**Product highlights**

- Closed cells HDPE foam used for installation of LVT floors.
- Antislip surface for locking system protection.
- Suitable for floor heating.
- For high demands on pressure stability under heavy loaded floors.
- Very high material density.
- 100% recyclable, FCKW and HFCKW free.
- Ecologically friendly.

---

**Functionality**

**Durability**

<table>
<thead>
<tr>
<th>Logistic Parameter</th>
<th>Sales Unit</th>
<th>Packaging</th>
<th>Palette</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Box</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Quantity</td>
<td>1 Pc.</td>
<td>-</td>
<td>400 boxes</td>
</tr>
<tr>
<td>Area</td>
<td>10m²</td>
<td>-</td>
<td>400m²</td>
</tr>
<tr>
<td>Weight</td>
<td>2.12kg ± 10%</td>
<td>-</td>
<td>84.8kg ± 10%</td>
</tr>
</tbody>
</table>

**Storage**

Approx. 1 year, protecting from direct sunlight or other weather influences.

**Application**

Unfold underlayment over subfloor with antislip layer facing up and individual rows butting to one another and seal the joints with aluminum sealing tape.
Product highlights

- Specially developed for the LVT designfloors.
- Designed for highest floor heating efficiency according to EPLF.
- Unrivaled walking sound improvement (RWS) thanks to RWS Barrier.
- For highest demands on pressure stability under heavy loaded floors.
- 100 % recyclable, FCKW and HFCKW free.
- Ecologically friendly.

RWS Barrier base material defines a new standard for the highest walking noise improvement value. All tests were conducted by the EPH GmbH. In addition to laboratory tests, end-user experience was confirmed in real life conditions as RWS performance compared to other premium range underlays on the market.

Storage

Approx. 1 year, protecting from direct sunlight or other weather influences.

Application

Unroll underlay on the floor, aluminized side facing up, with individual panels adjacent to one another and seal the joints with aluminum sealing tape.
ExtremeALU Heat

Permanently elastic, heavy underlay with patented RWS Barrier base material, specially developed for heated floors.

RWS Barrier base material defines a new standard for the highest walking noise improvement value. All tests were conducted by the EPH GmbH. In addition to laboratory tests, end-user experience was confirmed in real life conditions as RWS performance compared to other premium range underlays on the market.

Product highlights
- Designed for highest floor heating efficiency according to EPLF.
- Unrivaled walking sound improvement (RWS) thanks to RWS Barrier.
- For highest demands on pressure stability under heavy loaded floors.
- Integrated, metallised vapor barrier.
- 100 % recyclable, FCKW and HFCKW free.
- Ecologically friendly.

Functionality

Durability

<table>
<thead>
<tr>
<th>Logistic Parameter</th>
<th>Sales Unit</th>
<th>Packaging</th>
<th>Palette</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Roll</td>
<td>-</td>
<td>Cardboard</td>
</tr>
<tr>
<td>Quantity</td>
<td>1 Pcs.</td>
<td>-</td>
<td>35 Rolls</td>
</tr>
<tr>
<td>Area</td>
<td>8 m²</td>
<td>-</td>
<td>280 m²</td>
</tr>
<tr>
<td>Weight</td>
<td>14 kg ± 10%</td>
<td>-</td>
<td>490 kg ± 10%</td>
</tr>
</tbody>
</table>

Due to its composition and technology of production, this product may have a residual smell of natural rubber that disappears right after the assembly of the floor. This product has been tested and does not emit volatile organic compounds (VOC class A+).

Storage
Approx. 1 year, protecting from direct sunlight or other weather influences.

Application
Unroll underlay on the floor, aluminized side facing up, with individual panels adjacent to one another and seal the joints with aluminum sealing tape.
Product highlights

- Unrivaled walking sound improvement (RWS) thanks to RWS Barrier.
- Designed for highest floor heating efficiency according to EPLF.
- For highest demands on pressure stability under heavy loaded floors.
- Integrated, metallised vapor barrier.
- 100% recyclable, FCKW and HFCKW free.
- Ecologically friendly.

RWS Barrier base material defines a new standard for the highest walking noise improvement value. All tests were conducted by the EPH GmbH. In addition to laboratory tests, end-user experience was confirmed in real life conditions as RWS performance compared to other premium range underlays on the market.

Functionality

- 2.6mm thickness
- 8.0m length
- 8m² area
- 845 kg/m³ density

Durability

- 845 kg/m³ density
- 10.0 dB insulation
- TR = 0.010 m²

Logistic Parameter | Sales Unit | Packaging | Palette
---|---|---|---
Form | Roll | - | Cardboard
Quantity | 1 Pcs. | - | 26 Rolls
Area | 8m² | - | 208m²
Weight | 17.6kg ± 10% | - | 457.6kg ± 10%

Due to its composition and technology of production, this product may have a residual smell of natural rubber that disappears right after the assembly of the floor. This product has been tested and does not emit volatile organic compounds (VOC class A+).

Storage

Approx. 1 year, protecting from direct sunlight or other weather influences.

Application

Unroll underlay on the floor, aluminized side facing up, with individual panels adjacent to one another and seal the joints with aluminum sealing tape.
## Products parameter chart

<table>
<thead>
<tr>
<th>Product</th>
<th>QW (kg/m³)</th>
<th>RWS (%)</th>
<th>IS (dB)</th>
<th>CS (kPa)</th>
<th>CC (kPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Norm</strong></td>
<td></td>
<td>IHD-W431</td>
<td>EN-ISO10140, ISO717-2</td>
<td>EN826</td>
<td>EN1606</td>
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