GUTEX Happy Step is the ideal underlay for high-quality, interior floor coverings.

### Technical Data

<table>
<thead>
<tr>
<th>Happy Step</th>
<th>Happy Step</th>
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</thead>
<tbody>
<tr>
<td>Joint type</td>
<td>Butted</td>
</tr>
<tr>
<td>Thickness (mm)</td>
<td>4/6</td>
</tr>
<tr>
<td>Length x width (mm)</td>
<td>860 x 590</td>
</tr>
<tr>
<td>Square metres per sheet (m²)</td>
<td>0.51</td>
</tr>
<tr>
<td>Weight per m² (kg)</td>
<td>0.96/1.56</td>
</tr>
<tr>
<td>Weight per sheet (kg)</td>
<td>0.5/0.8</td>
</tr>
<tr>
<td>Sheets per package</td>
<td>18/20</td>
</tr>
<tr>
<td>Packages per pallet</td>
<td>50/32</td>
</tr>
<tr>
<td>Sheets per pallet</td>
<td>900/640</td>
</tr>
<tr>
<td>Square metres per pallet (m²)</td>
<td>456.66/324.74</td>
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<tr>
<td>Weight per pallet (kg)</td>
<td>480/540</td>
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<tr>
<td>Bulk density (kg/m³)</td>
<td>240/260</td>
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<tr>
<td>Vapour diffusion factor (μ)</td>
<td>5</td>
</tr>
<tr>
<td>sd-value (m)</td>
<td>0.02/0.03</td>
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<tr>
<td>Compressive stress/ strength (kPa)</td>
<td>100</td>
</tr>
<tr>
<td>Air flow resistivity (kPa s/m²)</td>
<td>100</td>
</tr>
<tr>
<td>Specific heat capacity (J/kgK)</td>
<td>2100</td>
</tr>
<tr>
<td>Fire reaction Euro Class as per DIN EN 13501-1</td>
<td>E</td>
</tr>
</tbody>
</table>

### Composition
- Manufactured from untreated Black Forest spruce and fir
- Additives:
  - 1.5% paraffin (hydrophobic agent)

### Applications
- Underlay for cork flooring (min. 6 mm), prefinished engineered wood flooring, laminate flooring and fitted carpet
- Over concrete, screed, poured asphalt, wood, sub-floor boards and dry screed elements

### Advantages
- Suitable for retrofitting to increase existing impact sound insulation
- Depending on the floor construction, it can improve the impact sound insulation by up to 30 dB.
- Ideal for upgrading the thermal insulation of existing structures
- Regulates humidity
- Water vapour diffusion permeable
- Impact softening makes floors more pleasant to walk on.
- Fast installation
- Fewer tools required for installation
- Wood is a sustainable, recyclable natural resource.
- Made in Germany
- Biologically harmless!
Installation
- To ensure proper performance, uncompromising compliance to the flooring manufacturer’s guidelines is necessary!
- Store and install this product dry.
- Protect this product against moisture.
- Substrate must be dry, even and technically sound.
- Use a carpet knife to cut.
- Avoid cross joints.
- Maintain 1 cm distance to wall.

- If an adhesive must be used (e.g. carpeting) use a carpet adhesive to glue GUTEX Happy Step.
- Vacuum off the dust in accordance with applicable workplace safety regulations or practices.
- Consider the R-value when installing a underfloor heating

Floor Construction

Cork:
- Glue full surface of GUTEX Happy Step with carpet adhesive to the sub-floor.
- Glue cork (minimum of 6 mm) with carpet adhesive to GUTEX Happy Step.

Carpet:
- Glue GUTEX Happy Step to the sub-floor with full adhesive coverage.
- Glue the carpet.

Floor Constructions for Different Floor Coverings

Cork:
- Glue full surface of GUTEX Happy Step with carpet adhesive to the sub-floor.
- Glue cork (minimum of 6 mm) with carpet adhesive to GUTEX Happy Step.

Carpet:
- Glue GUTEX Happy Step to the sub-floor with full adhesive coverage.
- Glue the carpet.

Prefinished Engineered Wood Flooring/ Laminate Floors
- Install GUTEX Happy Step, so that it floats.
- Install engineered flooring or laminate, so that it floats (compliant to manufacturer’s instructions).
- If the substrate is subject to moisture ingress, provide suitable moisture protection.