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

Technical Data	Happy Step
Joint type	Butted
Thickness (mm)	4/6
Length x width (mm)	860 x 590
Square metres per sheet (m <sup>2</sup> )	0.51
Weight per m <sup>2</sup> (kg)	0.96/1.56
Weight per sheet (kg)	0.5/0.8
Sheets per package	18/20
Packages per pallet	50/32
Sheets per pallet	900/640
Square metres per pallet (m <sup>2</sup> )	456.66/324.74
Weight per pallet (kg)	480/540
Bulk density (kg/m <sup>3</sup> )	240/260
Vapour diffusion factor (μ)	5
sd-value (m)	0.02/0.03
Compressive stress/ strength (kPa)	100
Air flow resistivity (kPa s/m <sup>2</sup> )	100
Specific heat capacity (J/kgK)	2100
Fire reaction Euro Class as per DIN EN 13501-1	E

European Union	
Nominal thermal conductivity $\lambda_D$ (W/mK)	0.046
Nominal thermal resistance $R_D$ (m <sup>2</sup> K/W)	0.05/0.10



Designation: WF-EN 13171-T5-W52,0-CS(10/Y)100-MU5-AF100

German disposal category: A2 (treated wood; without non-halogenated organic compounds)

Code number as per AVV:030105; 170201

## 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

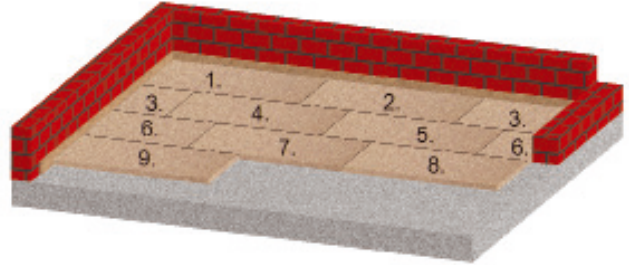
- Suitable for retrofitting to increase existing impact sound insulation
- Depending on the floor construction, it can improve the impact sound insulation by up to 30 dB.
- Ideal for upgrading the thermal insulation of existing structures
- Regulates humidity
- Water vapour diffusion permeable
- Impact 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

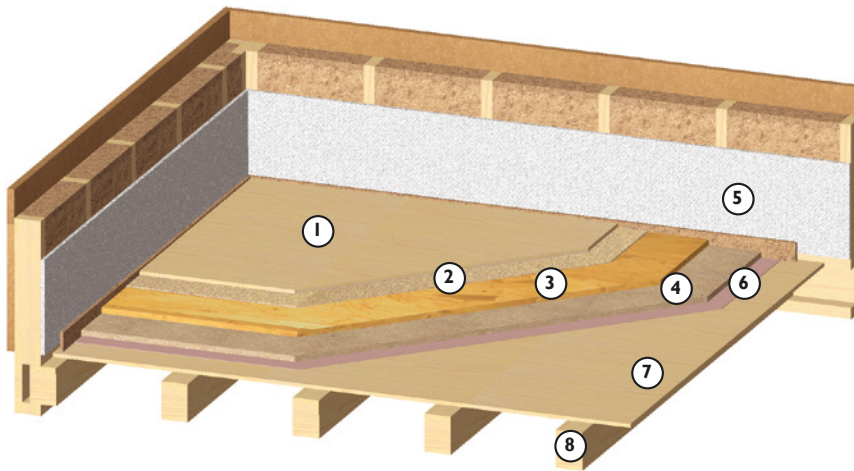
- To ensure proper performance, uncompromising compliance to the flooring manufacturer's guidelines is necessary!
- Store and install this product dry.
- Protect this product against moisture.
- Substrate must be dry, even and technically sound.
- Use a carpet knife to cut.
- Avoid cross joints.
- Maintain 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

## Layout Pattern



## Floor Construction



- |   |   |                              |                  |
|---|---|------------------------------|------------------|
| ① Prefinished engineered wood                     | ③ OSB board                               | ⑤ Edge strips                | ⑦ Exposed liner  |
| ② flooring/ laminate flooring<br>GUTEX Happy Step | ④ GUTEX Thermosafe-wd<br>GUTEX Happy Step | ⑥ Trickle protection barrier | ⑧ Exposed joists |

## 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.

- If delicate or low-pile carpets are used, the seams may show through.
- Not suitable for wheelchairs. Avoid applying excessive pressure to specific points, as this may create permanent recesses.

### 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.

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NATURALLY MADE FROM WOOD