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GUTEX Thermosafe-wd, an insulating board with singly construction and homogenous cross section, features exceptionally high compression resistance. It is ideal for any wall or floor structure.

| Technical Data | Thermosafe-wd |
|--|---|
| Joint type | Butted |
| Thickness (mm) | 20/30/40/60/ 80/100/ 120 |
| Length x width (mm) | 1250 x 600 |
| Actual coverage (mm) | 1250 x 600 |
| Square metres per board (m ²) | 0.75 |
| Weight per board (kg) | 2.1/3.2/4.2/ 6.3/8.4/10.5 /12.6 |
| Weight per m ² (kg) | 2.8/4.2/5.6/ 8.4/11.2/14/ 16.8 |
| Boards per pallet | 224/140/ 112/70/ 56/42/36 |
| Square metres per pallet (m ²) | 168/105/ 84/52,5/ 42/31,5/27 |
| Weight per pallet (kg) | 490 |
| Bulk density (kg/m ³) | 140 |
| Nominal thermal conductivity λ_D (W/mK) | 0.040 |
| Nominal thermal resistance R_D (m ² K/W) | 0.50/0.75/1.00 /1.50/2.00/ 2.50/3.00 |
| Vapour diffusion factor (μ) | 3 |
| sd-value (m) | 0.06/0.09/ 0.12/0.18/ 0.24/0.30/0.36 |
| Compressive stress/ strength (kPa) | 70 |
| Compressibility with live loads ≤ 5 kPa | 2 |
| Air flow resistivity (kPa s/m ²) | 100 |
| Specific heat capacity (J/kgK) | 2100 |
| Fire reaction Euro Class as per EN 13501-1 | E |

| European Union | |
|--|---|
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Designation:WF-EN 13171-T4-CS(10/Y)70-CP2-MU3-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
- Additive: 4 % polyurethane resin

Applications

- Insulation under screed and floor coverings
- Above and between rafter insulation
- Interior insulation of ceilings, walls, floors or roofs
- Insulation of timber frame and prefab modular house sections
- Insulation of top storey ceilings

Advantages

- Excellent thermal insulation properties: $\lambda=0.040$ W/mK
- Outstanding thermal storage capacity provides excellent insulation against heat in the summer and cold in winter
- Significantly improves soundproofing
- Regulates humidity and is vapour diffusion permeable
- Compression resistant
- Manufactured from wood, a sustainable, recyclable natural resource
- Made in Germany
- Biologically safe (natureplus® certified)

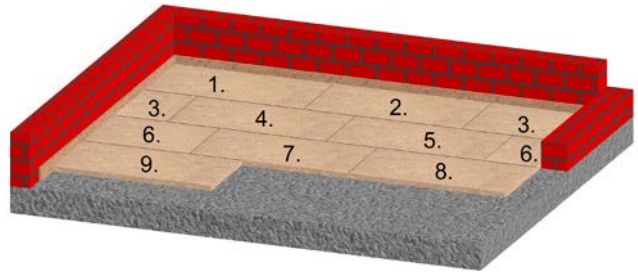
Installation

- Store and install this product dry.
- Offset the joints if installing multiple layers.
- Avoid cross joints.
- For best cutting results, use GUTEX blades for jigsaws or handheld circular saws and a vacuum fitting.
- Vacuum off the dust in accordance with applicable workplace safety regulations or practices.
- Substrate must be dry, even and technically sound.
- Protect this product against moisture.
- Edge stripping must be as high as the total built-up height of the floor.

Maximum Built-up Height

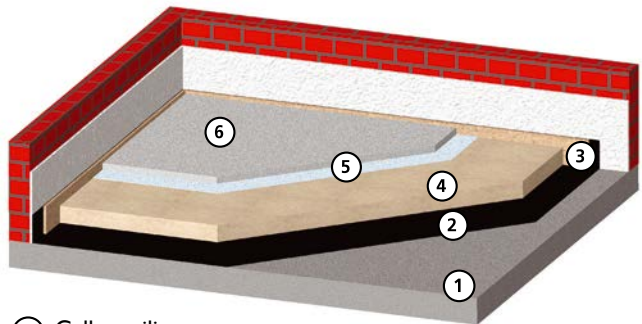
| Floor Covering over GUTEX Thermosafe-wd | Maximum Built-up Height GUTEX Thermosafe-wd |
|---|---|
| Wet screed | 140 mm |
| Mastic asphalt | 140 mm |
| Sub-floor fibreboard ≥ 25 mm | 140 mm |
| OSB sub-floor board ≥ 22 mm | 140 mm |
| GUTEX Thermosafe-nf | 100 mm |
| Gypsum screed elements ≥ 25 mm | 100 mm |
| Prefinished engineered wood flooring ≥ 14 mm | 30 mm |
| Laminate flooring ≥ 8 mm | 20 mm |

Layout Pattern



GUTEX Thermosafe-wd installs in offset joint arrangement. Use the oddment of the last board of a row to start the next row (refer to layout plan).

Floor Construction



- ① Cellar ceiling
- ② Moisture barrier is required
- ③ Edge strips
- ④ GUTEX Thermosafe-wd
- ⑤ Moisture barrier
- ⑥ Wet screed

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NATURALLY MADE FROM WOOD