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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

GUTEX Thermosafe-wd, an insulating board with single-ply construction and homogenous cross section, features exceptionally high compression resistance. It is ideal for any wall or floor structure. Live load up to 5 kN/m².

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)

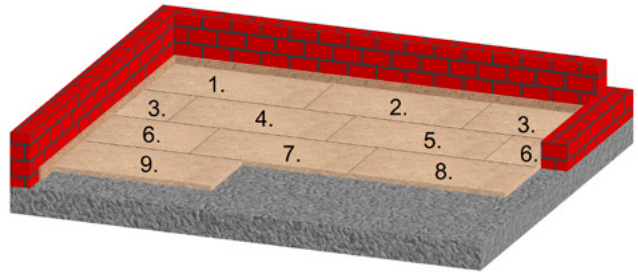
Installation

- 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

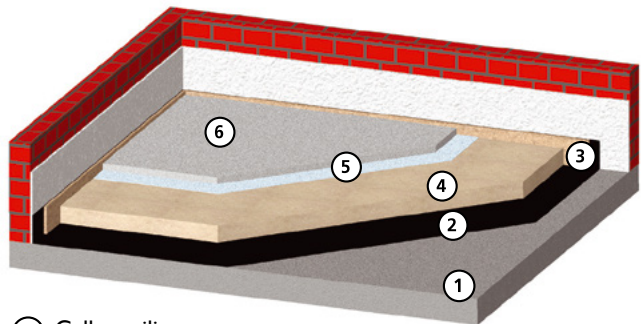
Floor Covering over GUTEX Thermosafe-wd	Maximum Built-up Height GUTEX Thermosafe-wd
Wet screed	140 mm
Mastic asphalt	140 mm
Sub-floor fibreboard ≥ 25 mm	140 mm
OSB sub-floor board ≥ 22 mm	140 mm
GUTEX Thermosafe-nf	100 mm
Gypsum screed elements ≥ 25 mm	100 mm
Prefinished engineered wood flooring ≥ 14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