

Technical data sheet

Gutex Thermofloor

Gutex Thermofloor is the impact sound insulation board for all floor structures with a load capacity of up to 5 kN/m².

Ingredients

- Untreated fir and spruce wood
- 4,0 % PUR resin (polyurethane resin)

Waste disposal

- Waste code numbers according to AVV: 030105, 170201



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Bulk density ρ [kg/m³]	~ 160
Nominal thermal conductivity λ_D [W/mK]	0,040
Vapour diffusion μ	3
Compressibility at payload ≤ 5 kPa [mm]	≤ 2
Air flow resistivity [kPa s/m²]	≥ 100
Specific heat capacity [J/kgK]	2.100
Maximum working temperature [°C]	110
Fire reaction Euro Class as per EN 13501-1	E
Product standard	EN 13171:2012+A1:2015
Board designation	Bei 20 mm: WF-EN13171-T7-SD40-CP2-MU3-AFr100 Bei 30 mm: WF-EN13171-T7-SD30-CP2-MU3-AFr100

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Product details

Joint type	flush-mount	
Thickness [mm]	20	30
Length × width [mm × mm]	1200 × 600	
Cover dimensions: length × width [mm × mm]	1200 × 600	
Coverage: square metres per panel [m ²]	0,72	
m ² per unit	0,72	
Weight per board [kg]	2,3	3,46
Weight per m ² [kg]	3,20	4,80
Items per pallet	224	140
Square metres per pallet [m ²]	161,28	100,80
Weight per pallet [kg]	530	
Dynamic stiffness MN/m ³	≤40	≤30
Nominal thermal resistance R _D [m ² K/W]	0,50	0,75
sd value [m]	0,06	0,09

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Areas of application

- Air, impact sound and heat insulation under wet screed (cement, anhydrite, etc.), mastic asphalt and dry screed elements)

Advantages

- High air and impact sound insulation
- Payload up to 5 kN/m² (excluding dry screed elements)
- Versatile areas of application
- Time-saving and easy installation thanks to high dimensional accuracy
- Optimal thermal insulation
- Excellent heat storage capacity → protection against summer heat and winter cold
- Improves sound insulation
- Moisture regulating
- Diffusion-open
- Wood is a sustainable raw material → recyclable
- Made in Germany (Black Forest)
- Biologically safe (natureplus® certified)

Processing instructions

- Store and install the boards in a dry condition
- Install in a single or double layer as a composite system, maximum installation thickness 60 mm, see table
- For thicker insulation systems, use Gutex Thermosafe-wd (max. 100 mm)
- Ensure the substrate is dry, level and structurally sound
- If necessary, install a damp-proof course (DIN 18533-1)
- Use anti-shedding paper for timber joist ceilings
- Fit edge strips to the height of the entire installation
- Cutting: Use a Gutex cutting blade for jigsaws or a hand-held circular saw with extraction
- Install Gutex Thermofloor as a composite system. The offcut from one installation row is placed at the start of the next row (see installation diagram). Fit edge strips to the height of the entire structure
- When used under mastic asphalt screeds, Gutex Thermofloor can withstand short-term installation temperatures of up to 230 °C
- Legal requirements regarding the handling of wood dust must be observed

Maximum installation height

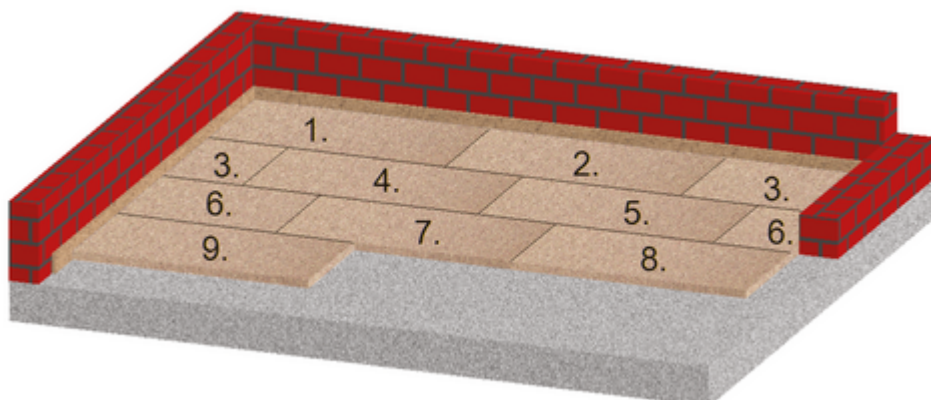
Flooring laid on top of insulation	Max. installation height
Wet screed (cement, anhydrite, etc.)	60 mm (2 x 30 mm)
Mastic asphalt	30 mm (1 x 30 mm)
Chipboard ≥ 25 mm	30 mm (1 x 30 mm)
OSB board ≥ 22 mm	30 mm (1 x 30 mm)

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Detailed designs

Laying pattern



Floor construction

