

# Technical data sheet

## Gutex Thermofloor



Gutex Thermofloor is the impact sound insulation board for all floor constructions with live loads of up to 5 kN/m<sup>2</sup>.

### Ingredients

- Untreated fir and spruce
- 4.0 % PUR resin

### Disposal

- Waste code numbers as per AVV  
030105, 170201

Bulk density $\rho$ [kg/m <sup>3</sup> ]	~ 160
Nominal thermal conductivity $\lambda_D$ [W/mK]	0.040
Vapour diffusion $\mu$	3
Compressibility with live loads $\leq 5$ kPa [mm]	2
Air flow resistivity [kPa s/m <sup>2</sup> ]	$\geq 100$
Specific heat capacity [J/kgK]	2100
Maximum working temperature [°C]	110
Fire reaction Euro Class as per EN 13501-1	E
Product standard	EN 13171
Board designation	20 mm: WF-EN13171-T7-SD4 0-CP2-MU3-AF <sub>r</sub> 100
	30 mm: WF-EN13171-T7-SD3 0-CP2-MU3-AF <sub>r</sub> 100

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Joint type	Flush-mount	
Thickness [mm]	20	30
Length × width [mm × mm]	1200 × 600	
m <sup>2</sup> /Piece(s)	0.72	
Weight per board [kg]	2.30	3.46
Weight per m <sup>2</sup> [kg]	3.20	4.80
Piece(s)/Pallet	224	140
Square metres per pallet [m <sup>2</sup> ]	161.28	100.80
Weight per pallet [kg]	530	
Dynamic stiffness [MN/m <sup>3</sup> ]	≤ 40	≤ 30
Nominal thermal resistance R <sub>D</sub> [m <sup>2</sup> K/W]	0.50	0.75
sd value [m]	0.06	0.09



# Product information

## Gutex Thermofloor

### Areas of use

- Underfloor air, impact sound, and thermal insulation
  - Wet screed (cement, anhydrite, etc.)
  - Mastic asphalt
  - Dry screed elements

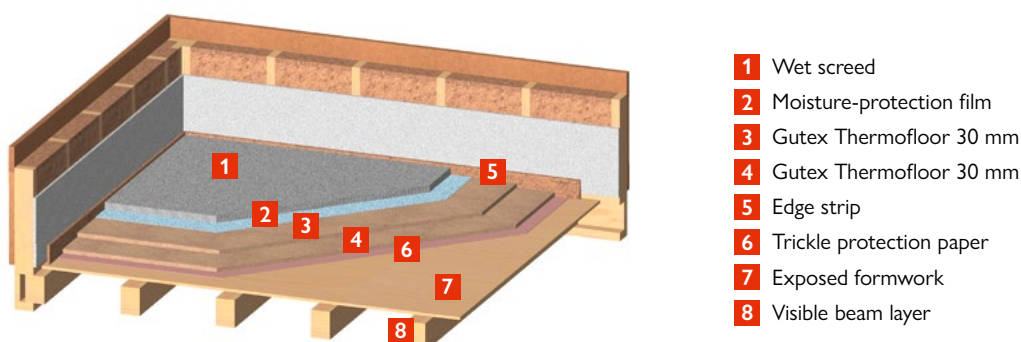
### Advantages

- Excellent air and impact sound insulation
- Live loads up to 5 kN/m<sup>2</sup> (excluding dry screed elements)
- Diverse areas of use
- High dimensional accuracy for time-saving and simple installation
- Optimum thermal insulation
- Outstanding heat storage capacity → good protection from heat in summer and cold in winter
- Improves sound insulation
- Moisture-regulating
- Vapour-permeable
- Wood as the sustainable raw material → recyclable
- Manufactured in Germany (Black Forest)
- Ecologically safe (natureplus® certified)

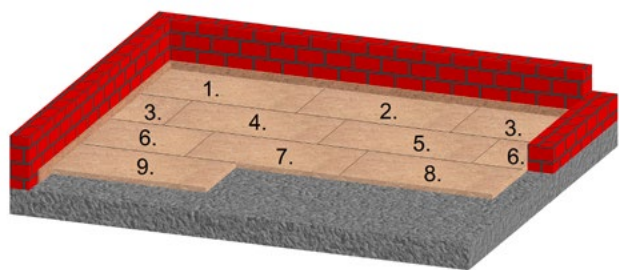
### Installation instructions

- Store and work with the boards in a dry place
- Install in one or two layers, maximum thickness 60 mm, see table
- Use Gutex Thermosafe-wd for higher insulation thicknesses (max. 100 mm)
- Create a dry, level, and technically perfect substrate
- If necessary, install a moisture barrier
- Use trickle protection paper for wood joist ceilings
- Apply edge strips at the height of the entire structure
- Cut to size: Gutex cutting blade for jigsaws or portable circular saw with extractor unit
- Install Gutex Thermofloor in a bond pattern. The remaining piece in one installation row is placed at the beginning of the next row (see installation diagram). Apply edge strips at the height of the entire structure
- Note the legal requirements for handling wood dust

### Floor structure



Installation diagram



Insulation structure

Covering on Gutex Thermofloor	Gutex Thermofloor maximum thickness
Wet screed (cement, anhydrite, etc.)	60 mm (2 x 30 mm)
Mastic asphalt	60 mm (2 x 30 mm)
Chipboard ≥ 25 mm	30 mm (1 x 30 mm)
OSB board ≥ 22 mm	30 mm (1 x 30 mm)

