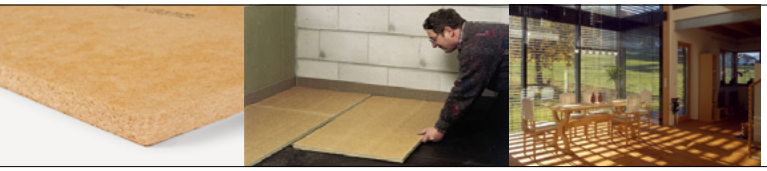
2020-12

GUTEX® Thermofloor Data Sheet



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GUTEX Thermofloor is a very versatile impact insulation board for all floor applications, including wet and dry screed. It is suitable for live loads of up to 5 kN/m² on screed.

Technical Data	Thermofloor
Joint type	Butted
Thickness (mm)	20/30
Length x width (mm)	1200 x 600
Square metres per board (m^2)	0.72
Weight per m^2 (kg)	3.4/5.0
Weight per board (kg)	2.4/3.6
Boards per pallet	180/120
Square metres per pallet ($m2^{)}$	129.6/86.4
Weight per pallet (kg)	450
Bulk density (kg/m^3)	160
Dynamic stiffness (MN/m^3)	30
Vapour diffusion factor (μ)	5
sd-value (m)	0.11/0.16
Air flow resistivity ($kPa \cdot s/m^2$)	100
Compressibility with live loads ≤ 5kPa	≤ 2
Specific heat capacity (J/kgK)	2100
Fire reaction Euro Class as per DIN EN 13501-1	E
European Union	
Nominal thermal conductivity λ_D(W/mK)	0.040
Nominal thermal resistance R_D (m^2K/W)	0.50/0.75

Designation: WF-EN13171-T7-SD30-CP2-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: 2% white glue used in 30 mm thick boards for the two-ply laminated construction.

Applications

For airborne, structure-borne sound and thermal insulation under:

– Wet screed (cement, anhydrite, etc.)
– Mastic asphalt
– Dry screed

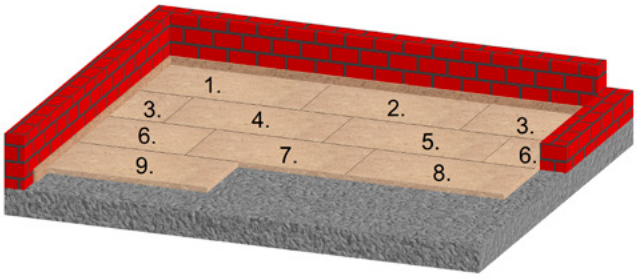
Advantages

– Superb airborne sound and structure-borne sound insulation
– Optimum thermal insulation
– Superior thermal storage capacity provides outstanding insulation against heat in the summer and cold in winter.
– Broad application diversity
– Regulates humidity
– Water vapour diffusion permeable
– Quick and easy installation
– Wood is a sustainable, recyclable natural resource.
– Made in Germany
– Biologically safe (natureplus® certified)

Installation

- Store and install this product dry.
- Suitable for single or double layer (with offset joints) with max. total build-up thickness of 60 mm (see table below).
- If higher insulation built-up heights are required, use GUTEX Thermosafe-wd (max. 100 mm).
- Substrate must be dry, even and technically sound.
- If required, install a moisture barrier.
- Ceilings with exposed wood joists require trickle protection paper.
- Edge stripping must be as high as the total built-up height of the floor.
- To cut the boards, use GUTEX saw blades for jigsaws or circular saws and a vacuum fitting.
- Install staggered, using the oddment of the last board of a row to start the next row (refer to layout plan).
- Vacuum off the dust in accordance with applicable workplace safety regulations or practices.

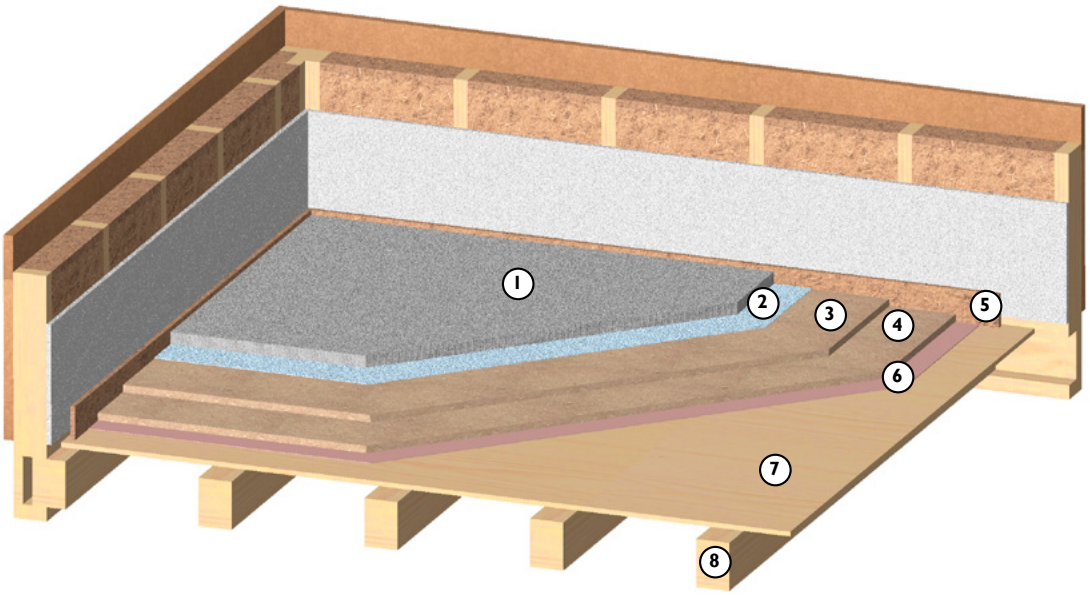
Layout Pattern



Insulating Material Overlay

Over GUTEX Thermofloor	Max. Built-up Height
Wet screed (cement, anhydrite, etc.)	60 mm (two 30 mm)
Mastic asphalt	60 mm (two 30 mm)
Sub-floor fibreboard ≥ 25 mm	30 mm (one 30 mm)
OSB board ≥ 22 mm	30 mm (one 30 mm)
Gypsum screed element	20 mm (one 20 mm)

Floor Construction



1. Wet screed
2. Moisture barrier
3. GUTEX Thermofloor 30 mm
4. GUTEX Thermofloor 30 mm
5. Edge strips
6. Trickle protection barrier
7. Exposed liner
8. Visible joists

GUTEX®

NATURALLY MADE FROM WOOD

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