



GUTEX Thermoinstal

TECHNICAL DATA SHEET



GUTEX Thermoinstal is the pressure-resistant wood fibre insulation board for installation levels.

Ingredients

- Untreated fir and spruce
- 4.0 % PUR resin

Disposal

- Waste code numbers as per AVV 030105, 170201

Bulk density ρ [kg/m ³]	~ 150
Nominal thermal conductivity λ_D [W/mK]	0.040
Vapour diffusion μ	3
Compressive stress/strength [kPa]	≥ 100
Tensile strength perpendicular to the surface [kPa]	≥ 10
Air flow resistivity [kPa s/m ²]	≥ 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	WF-EN13171-T4-CS(10/Y)100-TR10-MU3-AF,100





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Detailed information

Joint type	Flush-mount
Thickness [mm]	50
Length × width [mm × mm]	1250 × 600
m ² /Piece(s)	0.75
Weight per board [kg]	5.60
Weight per m ² [kg]	7.50
Piece(s)/Pallet	84
Square metres per pallet [m ²]	63.00
Weight per pallet [kg]	520
Nominal thermal resistance R _D [m ² K/W]	1.25
sd value [m]	0.15



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PRODUCT INFORMATION

Areas of use

- Full-surface insulation layer for installation level
- Insulation of timber frame and timber panel construction

Advantages

- Optimum thermal insulation
- Outstanding heat storage capacity → protection from heat in summer and cold in winter
- Excellent sound insulation
- Moisture-regulating and steam vapour-permeable
- Reduces thermal bridges
- Able to withstand pressure
- Wood as the sustainable raw material → recyclable
- Manufactured in the direct vicinity of Switzerland (Waldshut, Black Forest)
- Ecologically safe (natureplus® certified)

Installation instructions

- Store and work with the boards in a dry place
- Avoid cross joints
- Cut to size, e.g. with a portable circular saw with extractor unit
- Fasten to load-bearing wood-based board ≥ 15 mm
- Create a dry, level, and technically perfect substrate
- Protect from moisture (observe building dampness!)
- Note the legal requirements for handling wood dust



Application



Step 1:
Install GUTEX Thermoinstal over the entire surface and free of voids, and fasten with staples, screws, or nails



Step 2:
Mill installation channels with wood-working machines



Step 3:
Lay and fasten the installations



Step 4:
Apply interior boarding (min. 12.5 mm thick) over the entire surface and free of voids, and fasten in the substrate with e.g. plasterboard screws (75 mm). Screw spacing: every 150 mm at 62.5 cm intervals