

Technical data sheet

Gutex Thermowall L

Gutex Thermowall L is a lightweight, plasterable insulation board with high insulation performance – ideal for full-surface mineral or solid wood substrates in ecological Thermowall ETICS.

Ingredients

- Untreated fir and spruce wood
- 4,0 % PUR resin (polyurethane resin)
- 1,50 % Paraffine

Waste disposal

- Waste code numbers according to AVV: 030105, 170201



Technical data

Bulk density ρ [kg/m³]	~ 110
Nominal thermal conductivity λ_D [W/mK]	0,037
Vapour diffusion μ	3
Compressive stress/strength [kPa]	≥ 50
Tensile strength perpendicular to the panel plane [kPa]	≥ 10
Short-term water absorption [kg/m²]	≤ 1
Air flow resistivity [kPa s/m²]	≥ 35
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
Approval number	ETA-10/0287, ETA-10/0288
Board designation	WF-EN13171-T5-WS1,0-DS(70,-)3-CS(10/Y)50-TR10-MU3-AFr35



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Product details

Joint type	flush-mount			
Thickness [mm]	100	120	140	160
Length × width [mm × mm]	1200 × 400			
Cover dimensions: length × width [mm × mm]	1200 × 400			
Coverage: square metres per panel [m²]	0,48			
m² per unit	0,48			
Weight per board [kg]	5,28	6,34	7,39	8,45
Weight per m² [kg]	11,00	13,20	15,40	17,60
Items per pallet	20	16		12
Square metres per pallet [m²]	9,60	7,68		5,76
Weight per pallet [kg]	120		140	120
Nominal thermal resistance R_D [m²K/W]	2,55	3,05	3,55	4,10
sd value [m]	0,30	0,36	0,42	0,48

Product details

Joint type	flush-mount			
Thickness [mm]	180	200	220	240
Length × width [mm × mm]	1200 × 400			
Cover dimensions: length × width [mm × mm]	1200 × 400			
Coverage: square metres per panel [m²]	0,48			
m² per unit	0,48			
Weight per board [kg]	9,5	10,56	11,62	12,67
Weight per m² [kg]	19,80	22,00	24,20	26,40
Items per pallet	12	10		8
Square metres per pallet [m²]	5,76	4,80		3,84
Weight per pallet [kg]	140	120	130	120
Nominal thermal resistance R_D [m²K/W]	4,60	5,10	5,60	6,15
sd value [m]	0,54	0,60	0,66	0,72

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Areas of application

- Insulation board for Thermowall ETICS for timber and solid construction without rear ventilation

Advantages

- Shockproof
- Improvement of sound insulation
- Time-saving and easy installation thanks to high dimensional accuracy
- Single-layer and homogeneous bulk density profile
- Optimal thermal insulation
- Excellent heat storage capacity → protection against summer heat and winter cold
- Moisture regulating
- Diffusion-open
- Wood is a sustainable raw material → recyclable
- Made in Germany (Black Forest)
- Biologically safe (natureplus® certified)

Processing instructions

- Detailed and comprehensive installation instructions regarding panel installation, fixings and rendering can be found in our installation guides at www.gutex.de
 - Thicknesses ranging from 120 mm to 200 mm are regulated by building authorities under our Thermowall ETICS approval
 - Statutory requirements regarding the handling of wood dust must be observed
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