

Technical data sheet

Gutex Thermowall 5in1

Gutex Thermowall 5in1 is the universal insulation board for five areas of application.

Ingredients

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



Bulk density ρ [kg/m³]	~ 150
Nominal thermal conductivity λ_D [W/mK]	0,040
Vapour diffusion μ	4
Compressive stress/strength [kPa]	≥ 100
Tensile strength perpendicular to the panel plane [kPa]	≥ 10
Short-term water absorption [kg/m²]	≤ 1
Air flow resistivity [kPa s/m²]	≥ 60
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	WF-EN13171-T5-WS1,0-DS(70,-)3-CS(10/Y)100-TR10-MU4-AFr60

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Joint type	tongue + groove				
Thickness [mm]	40	60	80	100	120
Length x width [mm x mm]	1100 x 600				
Cover dimensions: length x width [mm x mm]	1080 x 580				
Coverage: square metres per panel [m²]	0,63				
m² per unit	0,66				
Weight per board [kg]	3,78	5,67	7,56	9,45	11,34
Weight per m² [kg]	6,00	9,00	12,00	15,00	18,00
Items per pallet	116	78	58	46	38
Square metres per pallet [m²]	76,56	51,48	38,28	30,36	25,08
Weight per pallet [kg]	480			470	
Nominal thermal resistance R _D [m²K/W]	1,00	1,50	2,00	2,50	3,00
sd value [m]	0,16	0,24	0,32	0,40	0,48

Joint type	tongue + groove			
Thickness [mm]	140	160	180	200
Length x width [mm x mm]	1100 x 600			
Cover dimensions: length x width [mm x mm]	1080 x 580			
Coverage: square metres per panel [m²]	0,63			
m² per unit	0,66			
Weight per board [kg]	13,23	15,12	17,01	18,9
Weight per m² [kg]	21,00	24,00	27,00	30,00
Items per pallet	32	28	26	22
Square metres per pallet [m²]	21,12	18,48	17,16	14,52
Weight per pallet [kg]	460		480	460
Nominal thermal resistance R _D [m²K/W]	3,50	4,00	4,50	5,00
sd value [m]	0,56	0,64	0,72	0,80

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Areas of application

- Plasterable insulation board for Thermowall ETICS on timber frame constructions and solid timber elements without rear ventilation, from 60 mm thickness
- For exterior cladding directly on stud constructions, on solid wood elements and on masonry behind the facing shell in rear-ventilated facades
- As rainproof underlay (UDP-A) from 60 mm thickness
- Compression Resistant Insulation Layer to accommodate services
- Interior insulation of exterior walls for direct plastering

Advantages

- Only 1 product for 5 areas of application
- Lower storage costs
- Simpler workflows, resulting in higher productivity and time savings
- Blow-in insulation suitable for panel thicknesses from 60 mm
- Wood is a sustainable raw material → recyclable
- Made in Germany (Black Forest)
- Biologically safe (natureplus® certified)