

Technical data sheet

Gutex Thermowall GF

Gutex Thermowall GF is a particularly pressure-resistant, stable, plasterable insulation board in thicknesses of 40 or 60 mm – ideal for direct cladding on wooden studs 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]	~ 185
Nominal thermal conductivity λ_D [W/mK]	0,043
Vapour diffusion μ	3
Compressive stress/strength [kPa]	≥ 150
Tensile strength perpendicular to the panel plane [kPa]	≥ 20
Short-term water absorption [kg/m²]	≤ 1
Air flow resistivity [kPa s/m²]	≥ 100
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)150-TR20-MU3-AFr100



Technical data sheet

Gutex Thermowall GF

Product details

Joint type	tongue + groove			
Thickness [mm]	40	60		
Length × width [mm × mm]	1300 × 600		1900 × 600	2576 × 1176
Cover dimensions: length × width [mm × mm]	1275 × 575		1875 × 575	2551 × 1151
Coverage: square metres per panel [m²]	0,73		1,08	2,94
m² per unit	0,78		1,14	3,03
Weight per board [kg]	5,4	8,1	11,99	32,63
Weight per m² [kg]	7,40	11,10		
Items per pallet	108	72	36	18
Square metres per pallet [m²]	84,24	56,16	41,04	54,53
Weight per pallet [kg]	680		480	680
Nominal thermal resistance R_D [m²K/W]	0,90	1,35		
sd value [m]	0,12	0,18		

Product details

Joint type	flush-mount				
Thickness [mm]	40		60		
Length × width [mm × mm]	2600 × 1250	2800 × 1250	2600 × 1250	2800 × 1250	3000 × 1250
Cover dimensions: length × width [mm × mm]	2600 × 1250	2800 × 1250	2600 × 1250	2800 × 1250	3000 × 1250
Coverage: square metres per panel [m²]	3,25	3,5	3,25	3,5	3,75
m² per unit	3,25	3,5	3,25	3,5	3,75
Weight per board [kg]	24,05	25,9	36,08	38,85	41,63
Weight per m² [kg]	7,40		11,10		
Items per pallet	24		15		
Square metres per pallet [m²]	78,00	84,00	48,75	52,50	56,25
Weight per pallet [kg]	610	730	640	680	730
Nominal thermal resistance R_D [m²K/W]	0,90		1,35		
sd value [m]	0,12		0,18		

Technical data sheet

Gutex Thermowall GF

Areas of application

- Insulation board for Thermowall ETICS for timber and solid construction without rear ventilation
- For exterior cladding directly on wooden frame constructions and on solid wood elements behind rear-ventilated facades

Advantages

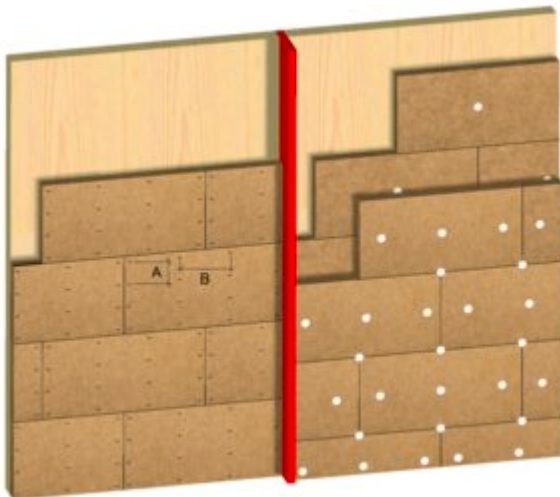
- Part of the GUTEX thermal insulation composite systems approved by the building authorities
- Shockproof
- Improvement of sound insulation
- Time-saving and easy installation thanks to high dimensional accuracy
- Single-layer and homogeneous bulk density profile
- Optimal thermal insulation
- Excellent 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

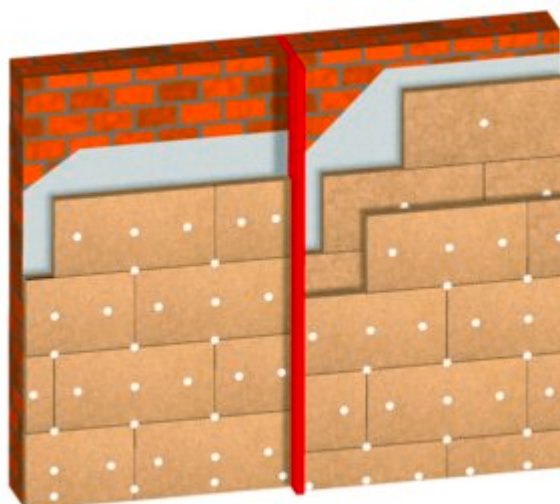
- For detailed and comprehensive installation instructions regarding panel installation, fasteners, and plaster application, see the brochure "Thermowall WDVS: The Ecological External Insulation Composite System"
- Legal requirements regarding the handling of wood dust must be observed

Detailed designs

Installation on solid wood or mineral substrates



Solid wood substrate

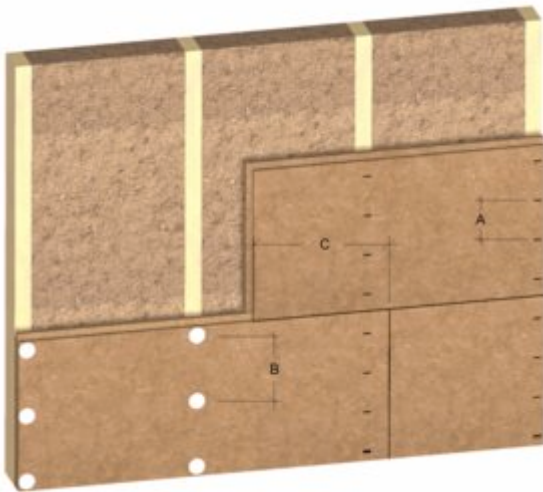


Solid construction

Technical data sheet

Gutex Thermowall GF

Assembly in timber-frame construction



Timber-frame construction