

Technical data sheet

Gutex Pyroresist wall



Gutex Pyroresist wall is the flame-retardant wood fibre insulation board for façades with demanding fire protection requirements.

Ingredients

- Untreated fir and spruce
- Inorganic fire protection agent on mineral basis
- Paraffin
- PUR resin

Disposal

- Waste code numbers as per AVV 030105, 170201

Bulk density ρ [kg/m ³]	~ 190
Nominal thermal conductivity λ_D [W/mK]	0.044
Vapour diffusion μ	4
Compressive stress/strength [kPa]	≥ 150
Short-term water absorption [kg/m ²]	≤ 1
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	C-s1,d0
Smoulder verification as per EN 16733	Non-smouldering PB-Hoch-180895
Product standard	EN 13171
Board designation	WF-EN13171-T5-WS1,0-CS(10/Y)150-TR10-MU4-AF,100

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Joint type	Tongue and groove			
Thickness [mm]	60	80	100	120
Length × width [mm × mm]	1800 × 600			
Actual coverage: Length × width [mm × mm]	1780 × 580			
Actual coverage: Square metres per board [m ²]	1.03			
m ² /Piece(s)	1.08			
Weight per board [kg]	12.31	16.41	20.52	24.62
Weight per m ² [kg]	11.40	15.20	19.00	22.80
Piece(s)/Pallet	36	26	22	18
Square metres per pallet [m ²]	38.88	28.08	23.76	19.44
Weight per pallet [kg]	500	490	510	460
Nominal thermal resistance R _D [m ² K/W]	1.35	1.80	2.25	2.70
sd value [m]	0.24	0.32	0.40	0.48



Product Information

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Areas of use

- Plaster baseboard for timber and solid construction without rear ventilation
- For external cladding directly on stud constructions, on solid wood elements, and on masonry behind the facing shell with rain-screen façades

Advantages

- Non-smouldering
- Flame-resistant
- Opens up new uses for wood fibre insulation boards
- s1,d0 – reliable fire protection without significant smoke emission or burning droplets
- Can be processed and fastened like 'normal' wood fibre – thus ideally suited for timber construction
- Shockproof
- High dimensional accuracy for time-saving and simple installation
- Single-layer, homogeneous bulk density profile
- Windproof
- Hydrophobic and thus insensitive to moisture
- Additional thermal insulation
- Minimisation of thermal bridges
- Outstanding heat storage capacity → impressive summer heat protection
- Improvement of sound insulation
- Moisture-regulating
- Vapour-permeable
- Wood as the sustainable raw material → recyclable
- Manufactured in the direct vicinity of Switzerland (Waldshut, Black Forest)
- Ecologically safe (natureplus® certified)

NOTE

Gutex Pyroresist meets the building code requirements for a flame-resistant insulation material. This property is tested and certified as specified. Additional fire protection requirements – especially for building components – must be considered on the basis of the structure and application; if necessary, they can be taken from an existing fire protection report.

Made in Germany.
Ecological wood fibre insulation for new builds and renovations



ROOF



FACADE



INTERIOR



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