2021-04

GUTEX® Multitherm Data Sheet

GUTEX Multitherm, a hydrophobized and thus moisture-resistant insulation board, features single-ply construction and homogeneous cross-section, making it an ideal sarking board for exterior walls under facade facing or insulation on the undersides of rafters, as well as 60-mm or greater above-rafter insulation with sheathing or protective roofing felt, etc.

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Technical Data	Multitherm	
Joint type	Tongue and groove	Butted
Thickness (mm)	40/60/80/100/120/ 140/160/180/200	60
Length x width (mm)	1100 x 600	3000 x 1250
Actual coverage, length x width (mm)	1080 x 580	
Square metres per board (m^2)	0,66	3.75
Weight per board (kg)	3.7/5.54/7.41/9.24 11.09/12.94/14.78 14.78/16.68/18.48	31.50
Weight per m^2 (kg)	5.60/8.40/11.20/ 14.00/16.80/ 19.60/22.40/ 25.20/28.00	8.40
Boards per pallet	116/78/52/44/ 36/32/28/24/20	15
Square metres per pallet (m^2)	76,56/51,48/34,32/ 29,04/23,76/21,12/ 18,48/15,84/13,2	56.25
Weight per pallet (kg)	max 550kg	520
Bulk density (kg/m^3)	140	
Vapour diffusion factor (μ)	4	
sd-value (m)	0.16/0.24/0.32/ 0.40/0.48/0.56/ 0.64/0.72/0.80	0.24
Compressive stress/ strength (kPa)	70	
Tensile strength perpendicular to board surface (kPa)	7.5	
Short-term water absorption (kg/m^2)	1	
Air flow resistivity (kPa·s/m^3)	100	
Specific heat capacity (J/kgK)	2100	
Fire reaction Euro Class as per DIN EN 13501-1	E	
European Union		
Nominal thermal conductivity λ_D(W/mK)	0.040	
Nominal thermal resistance R_D (m^2K/W)	1.00/1.50/2.00/ 2.50/3.00/3.50/ 4.00/4.50/5.00	1.50

011-7D086

Designation: WF-EN 13171-T4-DS(70,-)2-CS(10/Y)70-TR7,5-WS1.0-MU4-AF,100
German disposal category: A2 (treated wood; without non-halogenated organic compounds)
Code number as per AVV: 030105; 170201

Composition

- Manufactured from untreated Black Forest spruce and fir
- Additives:
  4.0 % polyurethane resin (binder)
  1.0% paraffin (hydrophobic agent)

Applications

- Sheathing directly over timber frame constructions, over wood sheathing and over masonry under the facing in vented facade constructions.
- Full boards install under rafters without interruption
- Suitable in 60-mm or greater thickness as additional above-rafter insulation, fastening to the rafters.

Advantages

- Both sides suitable for exterior-faced exposure, which reduces waste
- Consistently uniform board dimensions make installation quicker and easier
- Homogeneous, single-ply construction
- Makes structures wind-tight
- Superior moisture resistance due to hydrophobic treatment
- Ideal for upgrading the thermal insulation of existing structures
- Reduces thermal bridging
- Exceptional specific heat capacity
  → Maximum protection against the heat in summer
- Significantly improves soundproofing
- Regulates humidity
- Allows vapour diffusion
- Wood is a sustainable, recyclable natural resource
- Made in Germany
- Biologically safe (natureplus® certified)

Installation - General

- Always store the boards in a dry place. Only install the boards if they are dry.
- Suggested board thickness for use with GUTEX Thermofibre blow-in insulation: ≥ 60 mm
- Install boards perpendicular to framed construction, making sure they fit tightly.
- Avoid cross joints.
- Do not use damaged boards.

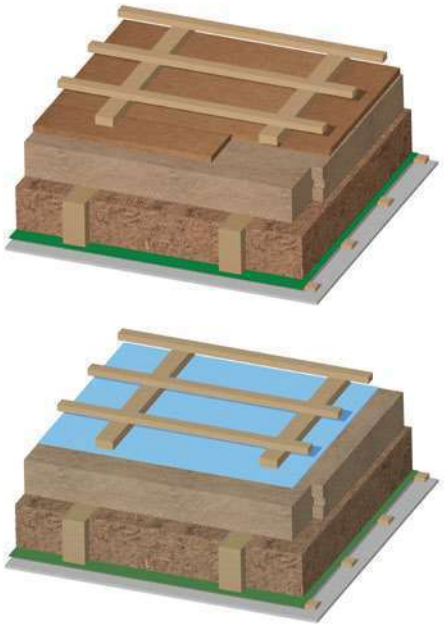
  Seams and interruptions, such as dormer walls, chimneys, etc., must be tight against wind and driving rain.
- Cut to size with common woodworking machines.
- Boards are not designed and made to provide structural support, strength or bear loads.
- Avoid exposure to high levels of moisture on the interior sides of the boards.
- Vacuum off the dust in accordance with applicable workplace safety regulations or practices.

Intallation - Walls

- Following on-centre distances apply:
  40 mm board thickness → max. on-centre is 62.5 cm
  60 - 200 mm board thickness → max. on-centre is 83.5 cm
- Fasten immediately with ventilation batten.
  Stagger/offset the joints from row to row by min. of 30 cm.
- May be left exposed to the weather for up to 4 months
- For your convenience in determining the most suitable fastener, you'll find a fixation form at www.gutex.de.

Installation - Roofs

- only GUTEX Multitherm ≥ 60 mm
- Maximum on-centre distances for rafters is 90 cm
- Stagger butted side joints with the next row's joint being centred no closer than the next rafter.
- Avoid walking on areas between the rafters.
- Fasten the board immediately after placing in position and cover it for protection with roofing paper, sheathing or sarking (e.g. GUTEX Multiplex-top). Fasten counter batten through the protective covering and into the rafters. For your convenience in determining the most suitable fastener, you'll find a fixation form at www.gutex.de.
- GUTEX Multitherm is not a load-bearing structural element (e.g. snow).



GUTEX®

NATURALLY MADE FROM WOOD

GUTEX Holzfaserplattenwerk, Gutenburg 5, D-79761 Waldshut-Tiengen, Phone: ++49 7741 6099-0, Fax: ++49 7741 6099-57, e-mail: info@gutex.de, www.gutex.de