






# **GUTEX®** Multitherm Data Sheet



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Technical Data	Multitherm
Joint type	Tongue and groove
Thickness (mm)	20/40/60/80/100/120/140/ 160
Length x width (mm)	1270 x 600
Actual coverage, length x width (mm)	1250 x 580
Square metres per board (m <sup>2</sup> )	0.76
Weight per board (kg)	2.1/4.3/6.4/8.5/10.7/12.8/14.9/17.1
Weight per m <sup>2</sup> (kg)	2.8/5.6/8.4/11.2/14/16.8/19.6 /22.4
Boards per pallet	220/108/72/54/44/36/32/28
Square metres per pallet (m <sup>2</sup> )	167.6/82.3/54.86/41.15/ 33.53/27.43/24.38/21.34
Weight per pallet (kg)	510
Bulk density (kg/m <sup>3</sup> )	140
Nominal thermal conductivity $\lambda_D$ (W/mK)	0.039
Thermal resistance (nominal) $R_D$ (m <sup>2</sup> K/W)	0.51/1.03/1.54/2.05/2.56/3.08/3.59/4.10
Vapour diffusion factor ( $\mu$ )	3
sd-value (m)	0.06/0.12/0.18/0.24/0.30/0.36/0.42/0.48
Compressive stress/ strength (kPa)	70
Tensile strength perpendicular to board surface (kPa)	10
Short-term water absorption (kg/m <sup>2</sup> )	≤ 2
Air flow resistivity (kPa · s/m <sup>3</sup> )	100
Specific heat capacity (J/kgK)	2100
Fire reaction Euro Class as per DIN EN 13501-1	E
    	

Designation: WF-EN 13171-T4-WS2,0-CS(10/Y)70-TR7,5-MU3-AF100

\*Approval No. 23.15-1404.

German disposal category: A2 (treated wood; without non-halogenated organic compounds)

Code number as per AVV:030105; 170201

**GUTEX Multitherm**, a moisture resistant insulation wood fibreboard with single-ply construction and homogeneous cross section, is an ideal sarking board for exterior walls under facade facing.

## 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 (not suitable for between rafter use)

## Advantages

- 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

- Store and install this product dry.
- Following on-centre distances apply:
  - 20 – 40 mm board thickness → max. on-centre is 62.5 cm
  - 60 – 100 mm board thickness → max. on-centre is 81.5 cm
  - 120 – 160 mm board thickness → max. on-centre is 92.5 cm
- Install the boards lengthwise with exact fit for tight joints.
- Fasten immediately with ventilation batten.
- Adhesive nail tapes or sealants are not required.
- Avoid cross butt joints.
- Do not use damaged boards.
- Stagger/offset the joints from row to row by min. of 50 cm.
- Seams and interruptions, such as dormer walls, chimneys, etc., must be tight against wind and driving rain.
- The boards do not provide suitable structural support or stability.
- Vacuum off the dust in accordance with applicable workplace safety regulations or practices.

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The suitability of this product for applications not specified in this data sheet is not guaranteed.

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NATURALLY MADE FROM WOOD