

GUTEX® Thermoroom Data Sheet



Photographic images are property of GUTEX archive

Technical Data	Thermoroom
Joint type	Butted
Thickness (mm)	20/40/60/80/100
Length x width (mm)	1200 x 500
Square metres per board (m ²)	0.6
Weight per board (kg)	1.6/3.1/4.7/6.2/7.8
Weight per m ² (kg)	2.6/5.2/7.8/10.4/13
Boards per pallet	108/54/36/26/22
Square metres per pallet (m ²)	64.8/32.4/21.6/15.6/13.2
Bulk density (kg/m ³)	130
Weight per pallet (kg)	190
Nominal thermal conductivity λ_D (W/mK)	0.038
Thermal conductivity (applied) λ (W/mK)*	0.040
Thermal resistance (nominal) R_D (m ² K/W)	0.53/1.05/1.58/2.11/2.635
Thermal resistance R (m ² K/W)	0.50/1.00/1.50/2.00/2.5
Vapour diffusion factor (μ)	3
sd-value (m)	0.06/0.12/0.18/0.24/0.3
Compressive stress/ strength (kPa)	50
Tensile strength perpendicular to board surface (kPa)	10
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



WF-EN13171-T4-CS(10/Y)40-TR10-MU3-AFI00.

*Approval No. 23.15-1404.

German disposal category: A2 (treated wood; without non-halogenated organic compounds); code number as per AVV:030105; 170201

GUTEX Thermoroom, an insulation board with single-ply construction and homogenous cross section, is ideal for the retrofit insulating of interior walls.

Composition

- Manufactured from untreated Black Forest spruce and fir
- Additive: 4 % polyurethane resin (binder)

Applications

- Insulation of the insides of exterior walls
- Insulation under the rafters for interior plaster application

Advantages

- Optimum thermal insulation
- Superior thermal storage capacity provides outstanding insulation against heat in the summer and cold in winter.
- Improves acoustic insulation
- Regulates humidity
- Water vapour diffusion permeable
- Quick and easy installation
- Wood is a sustainable, recyclable natural resource
- Made in Germany
- Biologically safe (natureplus® certified)

Installation

- Detailed descriptions of board installation and plasterwork with Thermowall are available in the GUTEX brochure „Interior Insulation of Exterior Walls.“

All rights reserved. Henselmann GmbH + Co KG is not liable for any damage resulting from error or misprinting. The technical data provided herein is subject to change. Although all of the information was current at the time of its publication, the publication of superseding

information renders the old information invalid.

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

Warranty and liability claims are subject to the terms of GUTEX's General Terms of Business.



NATURALLY MADE FROM WOOD