

Note on English translation / Hinweise zur englischen Fassung

This is a translation of the technical data sheet valid in Germany.

All stated details and properties are in compliance with the regulations of the German standards and building regulations. They are only applicable for the specified products, system components, application rules, and construction details in connection with the specifications of the respective certificates and approvals.

Knauf Integral KG denies any liability for applications outside of Germany as this requires changes acc. to the respective national standards and building regulations.



GIFAtec

K846a.de

Technical Sheet

02/2024

GIFAboard 1100

Large format material panels

Product description

GIFAboard 1100 gypsum fibreboards are unprimed rough-cut boards for further industrial processing. GIFAboard 1100 is well suited for surface finishing, for example with coatings of wood or plastic.

Storage

GIFAboard 1100 must be stored in a dry place and protected from the weather.

Quality

The product is subject to continuous factory production control.

Properties and added value

- Non-combustible
- Suitable for indoor use according to AgBB-scheme (Eurofins certificate)
- Building biology recommended (IBR award certificate)
- High strength
- High load-bearing capacity
- High dimensional stability
- Easy to process

Large format material panels

Instructions for use

This document contains information that applies exclusively to GIFAboard 1100 manufactured according to EN 15283-2. Further processing may result in technical changes to the GIFAboard 1100. Thus, after further processing, further tests, such as building material classification may have to be carried out on the finished product.

EN 14190 "Gypsum board products from further processing" may apply to the processed GIFAboard 1100.

The CE marking must be carried out by the distributor of the construction product in accordance with EN 14190.

Machining and further processing

GIFAboard 1100 can be manufactured with the usual machine tools and tools for wood-based material processing.

An extraction system is recommended to reduce dust formation during processing.

Carry out an adhesive test. Adjust temperature and pressing time for hot pressing processes to the material and thickness.

Always veneer and laminate with backing on the reverse side of the board.

Verify the adhesive strength of coatings.

Product range

Description	Width mm	Length mm	Thickness mm	Packaging Unit		Article number	EAN
				Pcs/Pallet	Weight [kg]/Pallet		
GIFAboard 1100 12.5	1260	2560	12.5	30	1.572	197747	4003982405081
		3100			1.904	228464	4003982405111
GIFAboard 1100 16.5		2560	16.5	25	1.729	206767	4003982405302
		3100			2.094	228465	4003982405326
GIFAboard 1100 18.5		2560	18.5		1.939	197748	4003982405517
		3100			2.348	206765	4003982405579
GIFAboard 1100 21.5		2560	21.5	20	1.803	541086	4003982405630
		3100			2.183	541083	4003982405647
GIFAboard 1100 22.5		2560	22.5		1.886	541089	4003982405678
		3100			2.285	542675	4003982405715
GIFAboard 1100 25.5		2560	25.5		2.138	244888	4003982405883
		3100			2.589	206766	4003982405913

Technical data

Description	Value	Unit	Standard
Reaction to fire	A1 (non combustible)	–	EN 13501-1
Edge finish	VK	–	EN 15283-2
Dimensional tolerance width	+2.0 / -0.5	mm	Internal specification
Dimensional tolerance length	+2.0 / -0.5	mm	Internal specification
Dimensional tolerance thickness	+0.5 / -0.5	mm	EN 15283-2
Density	≥ 1100	kg/m ³	EN 15238-2
Surface hardness (Brinell)	≥ 20	N/mm ²	Internal specification
Adhesive tensile strength	≥ 0.3	N/mm ²	EN 13892-8
Specific heat capacity c	> 1000	J/(kg·K)	–
Design thermal conductivity λ	0.30	W/(m·K)	EN 12524
Measured thermal resistance R ₁₀	0.1033	(m ² ·K)/W	EN 12664
Coefficient of thermal expansion α	12.9·10 ⁻⁶	1/K	–
Change in length with temperature change	≤ 0.02	mm/(m·K)	Internal specification
Change in length with change in rel. humidity by 30 % at 20 °C	≤ 0.3	mm/m	Internal specification
Hygrothermal conditions of installation (stationary)	+10 °C to +35 °C approx. 45 – 75 % rel. humidity	–	–
Hygrothermal conditions of use (stationary)	+1 °C to +35 °C approx. 35 – 75 % rel. humidity	–	–
Water vapour diffusion resistance coefficient μ	17	–	–
Flexural tensile strength	≥ 3.7	N/mm ²	–

Sustainability and environment

Description	Value	Unit
Requirements acc. to AgBB-scheme for indoor use	Complies	–
French emission class	A+	–
IBR Award certificate	Tested and recommended	–
Eurofins Indoor Air Comfort Gold	Complies	–
Post-Consumer recycling share (mean value)	Approx. 10	%
Pre-Consumer recycling share (mean value)	Approx. 40	%
Environmental Product Declaration	EPD - IBU	EPD-KNA-20220096-CAB3-EN
	FDES - Inies	20220930846

Information on sustainability of Knauf GIFAboard

Building assessment systems ensure the sustainable quality of buildings and structural facilities through a detailed evaluation of ecological, economic, social, functional and technical aspects.

In Germany, the following certification systems are of particular relevance.

■ DGNB System

German seal of approval for sustainable building from the DGNB (Deutsche Gesellschaft für Nachhaltiges Bauen/German Sustainable Building Council)

■ BNB

(Sustainable Building Rating System)

■ LEED

(Leadership in Energy and Environmental Design).

Knauf products and Knauf access flooring materials can positively influence numerous criteria here.

DGNB/BNB

Ecological quality

- Criterion: Life cycle assessment of the building
Relevant environmental data are stored in the EPD
- Criterion Risks for the local environment
Building material Gypsum as an ecological material

Economic quality

- Criterion: building-related costs in the life cycle
Economic Knauf dry construction

Technical quality

- Criterion: Deconstruction and recyclability
Possible with Knauf dry construction

LEED

Materials and Resources

- Building Life-Cycle Impact Reduction:
Relevant data are stored in the EPD
- Environmental Product Declarations:
Relevant data are stored in the EPD
- Sourcing of Raw Materials:
Recycling content in Knauf GIFAboard

Indoor Environmental Quality

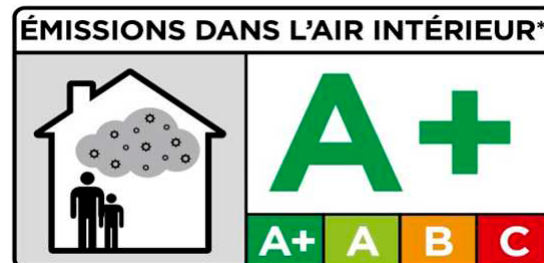
- Low Emitting Materials:
Knauf products are subject to regular VOC measurements

Disposal

GIFAboard waste is subject to waste code 17 08 02 - gypsum based construction material or no. 17 09 04 mixed construction and demolition wastes which are not contaminated by hazardous substances.

Building biology

Knauf GIFAfloor has been regularly tested by the IBR (Institut für Baubiologie Rosenheim) since 2003 and has since then been uninterruptedly certified by the Building Biology Recommendation Certificate. Knauf GIFAfloor meets the requirements of the French VOC class A+. Eurofins Product Testing A/S, Galten (DK) certifies that GIFAfloor complies with the required values for VOC emissions in Europe. GIFAfloor meets the requirements of Indoor Air Comfort Gold.



Observe safety data sheet!

For safety data sheet and CE-marking see
pd.knauf.de



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