

GIFAfloor Hugo L

Prefab screed elements made of gypsum fibre

Product description

GIFAfloor Hugo L are gypsum fibre prefabricated screed elements with optimised tongue and groove edge design for quick and safe installation on a level and load-bearing substrate.

Storage

GIFAfloor Hugo L must be stored flat, dry 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 dimensional stability
- Easy to lay and quick to walk on
- Suitable for water impact class W1-I / moderate

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Note on use

This document contains information that applies exclusively to the GIFAfloor Hugo L manufactured according to EN 15283-2.

References to other documents

■ F16.de Knauf GIFAfloor Hugo L

Machining and further processing

GIFAfloor Hugo L can be machined with the usual machine tools and with the usual machine tools and tools for wood-based material processing.

Product range

Description	Width mm	Length mm	Thickness mm	Packaging Unit		Article number	EAN
				Pieces/Pallet	Weight [kg] / Pallet		
GIFAfloor Hugo L 18	600	1200	18	50	810	550815	4003982407054
GIFAfloor Hugo L 23			23	35	725	602387	4003982420046

Technical data

Description	Value	Unit	Standard
Reaction to fire	A2-s1,d0 (non-combustible)	–	EN 13501-1
Edge shape	Tongue and groove	–	–
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 15283-2
Surface hardness (Brinell)	≥ 20	N/mm ²	Internal specification
Adhesive tensile strength	≥ 0.5	N/mm ²	EN 13892-8
Specific heat capacity c	> 1000	J/(kg·K)	EN 993
Calculated value of thermal conductivity λ_R	0.38	W/(mK)	Internal specification
For the design of underfloor heating systems λ_{10}	–	W/(mK)	Internal specification
Coefficient of thermal expansion α	$12.9 \cdot 10^{-6}$	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	–	Internal specification
Hygrothermal conditions of use (stationary)	+1 °C to +35 °C approx. 45 – 75 % rel. humidity	–	Internal specification
Water vapour diffusion resistance coefficient μ (trocken/freucht)	10 / 4	–	EN 12524
Water absorption capacity surface (Cobb test)	< 300	g/m ²	EN 15283-2
Flexural tensile strength	≥ 5.0	N/mm ²	EN 15283-2

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-BVG-20220090-IAG1-DE	–
	FDES - Inies	20220930846	

Information on sustainability of Knauf GIFAfloor

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 particularly relevant:

■ DGNB System

German seal of quality for sustainable building of the DGNB (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 provided 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

■ Criteria: Deconstruction and recyclability

Possible with Knauf dry construction

LEED

Materials and Resources

■ Building Life-Cycle Impact Reduction

Relevant data are provided in the EPD.

■ Environmental Product Declarations

Relevant data are provided in the EPD.

■ Sourcing of Raw Materials

Recycled content in Knauf GIFAfloor.

Indoor Environmental Quality

■ Low Emitting Materials

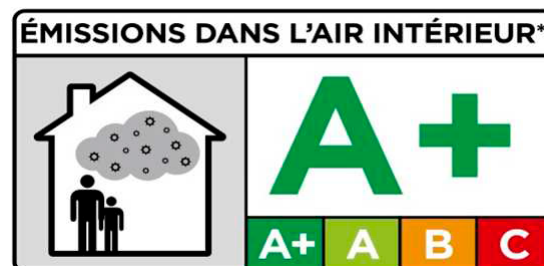
Knauf products are subject to regular VOC measurements.

Disposal

GIFAfloor 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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