

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



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Product data sheet

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GIFAfloor Hugo L composite elements WF

Gypsum fibre pre-fabricated composite floor screed panels

Product description

GIFAfloor Hugo L are gypsum fibre pre-fabricated floor screed panels with patented tongue and groove edges for a fast and save installation on a leveled plane and load bearing base.

Storage

Store in a dry place.

Application

Cut the tongues of the panels and push the panels against the edge insula strips. Put glue onto the tongues of the panel to be laid next and onto the underpart of the groove of the laying panels. Push the panel to be laid with tongue of the longitudinal edge into the groove of the laying panels and put it sideward into the groove of the panel laid before. Installation with stagge joints to the row of panels laid before with a minimum offset of the panels c 200mm. Strain the floor after the has been set.

Properties and added value

- Stable and impact sound insulating
- Handy size composite elements reduce labor
- Custom-fit tongue and groove milling
- No mechanical fixing needed
- Factory-primed for transportation protection
- Suitable for domestic bathrooms (when idicated use sealing against water)
- Suitable for usual floor coverings (dimensions of natural stones and tiles depending on the foundations and the permissible load)

Building biology

Knauf GIFAfloor has an eco-friendly approval since March 2003 after a certificate was awarded by the IBR - Institute for building biology, Rosenheim (D) uninterrupted.

Knauf GIFAfloor achieves the requirements to the French VOC-class A+. The eurofins-institute Galten (DK) determined the suitability for indoor use in accordance with the European requirements for VOC-emissions.

GIFAfloor fulfils the requirements of the Indoor Air Comfort 6.0.



Detailed information on request and on the website

www.knauf-blue.de

Disposal

GIFAfloor waste is classified with the European List of Waste (LoW) code 17 08 02 - gypsum-based construction materials other than those mentioned in 17 08 01.

17 09 04 - mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03.

General information

	GIFAfloor Hugo L 18 WF (Mat.-no.: 00607370)	GIFAfloor Hugo L 23 WF (Mat.-no.: 00607371)	Tolerances	Unit	Standard / test specification
Material	Gypsum fibre panel with laminated wood fibre panel		—	—	EN 14190
Density of the gypsum fibre panel	≥1100		-0/+150	kg/m³	EN 15283-2
Element weight	c.18.0	c.22.5	—	kg	internal
Area weight	c.25.0	c.31.3	—	kg/m²	internal
Length (cover dimension)	1200		+0/-4	mm	EN 15283-2
Width (cover dimension)	600		+0/-4	mm	EN 15283-2
Thickness	28	33	±0,5	mm	EN 15283-2
Edge design of the gypsum fibre panel	4-sided tongue-and-groove milling		—	—	—
Building material class / Reaction to fire (R2F)	E		—	—	EN 14190

Mechanical strength properties

	GIFAfloor Hugo L 18 WF (Mat.-no.: 00607370)	GIFAfloor Hugo L 23 WF (Mat.-no.: 00607371)	Tolerances	Unit	Standard / test specification
Bending tensile strength	≥5.0		—	N/mm²	EN 15283-2
Surface hardness for panel type GF-I	≤15		—	mm	EN 15283-2
Surface hardness acc. to Brinell	≥20		—	N/mm²	internal
Pull-off strength of the top side	≥0.5		—	N/mm²	EN 12004

Hygroskopie, hygrothermal and thermal properties

	GIFAfloor Hugo L 18 WF (Mat.-no.: 00607370)	GIFAfloor Hugo L 23 WF (Mat.-no.: 00607371)	Tolerances	Unit	Standard / test specification
Water absorption capacity acc. to Cobb	≤300		—	g/m²	in style of EN 15283-2
Calculation value of the length change*	0.3		—	mm/m	internal
Water vapour diffusion resistance μ dry / wet	8 / 3		—	—	EN 14190
Water vapour diffusion-equivalent air layer s_d dry / wet	0.23 / 0.09	0.28 / 0.11	—	m	ISO 7783
Water vapour adsorption class	WSII		—	—	in style of DIN 18947
Calculation value of the thermal conductivity λ_R	0.38		—	W/mK	EN 12664
Calculation value of the thermal conductivity λ_R	0.05		—	W/mK	EN 13986
Specific heat capacity c (of the Hugo L gypsum fibre panel)	>1000		—	J/(kgK)	EN 993
Hygrothermal installation conditions (stationary)	+10° bis +35°C; ca.45-75% r.h.		—	—	internal
Hygrothermal using conditions (stationary)	-10° bis +35°C; ca.45-75% r.h.		—	—	internal

* The calculation value of the length change is to be used for calculation of joint widths for the GIFAfloor hollow floor. This calculation value is based on the measurements of the length change of the material with a change of the relative humidity by 30% at 20°C and incorporates additional safety margins.

Knauf direkt

Technical advisory service:

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* Callers listed in the Knauf address database are charged EUR 0.39 min. Knauf partner dealers are charged EUR 0.06 / min. Private contractors or non-customers will be charged EUR 1.69 EUR / min. on a German landline. Calls from GSM phones will be charged depending on the tariffs of the network operator.

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