

# GIFAfloor PRESTO

Gypsum fibre elements for retrofitting

## Product description

GIFAfloor PRESTO system elements are surface-primed gypsum fibre boards with tongue and groove edges. GIFAfloor PRESTO elements are specially designed for retrofitting, e.g. on wooden beams.

Common surface coverings can be laid quickly and easily on GIFAfloor PRESTO. GIFAfloor PRESTO is suitable for domestic wet rooms.

## Storage

GIFAfloor PRESTO 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 strength
- High load-bearing capacity
- High dimensional stability
- Easy to lay and quick to walk on
- Floating installation up to 1200 mm
- Suitable for water impact class W1-I / moderate



**Note on use**

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

**References to other documents**

- F18.de Knauf GIFAfloor hollow floor
- F19.de Knauf GIFAfloor self supporting systems
- F19P.de Knauf GIFAfloor PRESTO

**Machining and further processing**

GIFAfloor PRESTO 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 PRESTO 18 <sup>1</sup>	600	1200	18	25	518	581776	4003982556264
GIFAfloor PRESTO 25			25	25	745	789547	4003982557285
GIFAfloor PRESTO 32			32	25	940	584728	4003982409744
				14	535	140455	4003982556257

1) Only for load increase or inclusion of underfloor heating

**Technical data**

Properties	Value	Unit	Standard
Reaction to fire	A1 (non-combustible)	–	EN 13501-1
Edge shape	Tongue and groove	–	–
Dimensional tolerance width	+0.5 / -0.5	mm	EN 15283-2
Dimensional tolerance length	+0.5 / -0.5	mm	EN 15283-2
Dimensional tolerance thickness	+0.2 / -0.2	mm	EN 15283-2
Density	1600 ± 5 %	kg/m <sup>3</sup>	EN 15283-2
Surface hardness (Brinell)	≥ 40	N/mm <sup>2</sup>	Internal specification
Adhesive tensile strength	≥ 1.0	N/mm <sup>2</sup>	EN 13892-8
Electrostatic resistance	≥ 1·10 <sup>7</sup>	Ω	EN 1081
Specific heat capacity c	> 1000	J/(kg·K)	–
Calculated value of thermal conductivity $\lambda_R$	0.44	W/(mK)	Internal specification
For the design of underfloor heating systems $\lambda_{10}$	0.30	W/(mK)	Internal specification
Coefficient of thermal expansion $\alpha$	12.9·10 <sup>-6</sup>	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	≤ 0.6	mm/m	Internal specification
Hygrothermal conditions of installation (stationary)	+10 °C to +35 °C approx. 45 – 75 % rel. humidity	–	–
Hygrothermal conditions of use (stationary)	-10 °C to +35 °C approx. 35 – 75 % rel. humidity	–	–
Water vapour diffusion resistance coefficient $\mu$	30/50	–	–
Water absorption capacity surface (Cobb test)	< 300	g/m <sup>2</sup>	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	20220930847

### 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

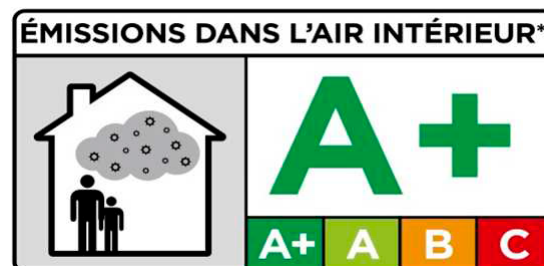
Knauf products are subject to regular VOC measurements.

### 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](http://pd.knauf.de)



The App Knauf Infothek provides all the current information and documents from Knauf Gips KG at any time and in every location in a clear and comfortable way.

[knauf.de/infothek](http://knauf.de/infothek)

#### Knauf Direct

Technical Advisory Service:

► [knauf-direkt@knauf.com](mailto:knauf-direkt@knauf.com)

► [www.knauf-integral.de](http://www.knauf-integral.de)

**Knauf Integral KG** Am Bahnhof 16, 74589 Satteldorf, Germany

All technical changes reserved. Only the current printed instructions are valid. The stated information represents current state-of-the-art Knauf technology. The entire state of approved engineering rules, appropriate standards, guidelines, and rules of craftsmanship are not included herewith. These and all application instructions have to be adhered to separately by the installer. Our warranty is expressly limited to our products in flawless condition. All application quantities and delivery amounts are based on empirical data that are not easily transferable to other deviating areas.

All rights reserved. All amendments, reprints and photocopies, including those of excerpts, require our expressed permission.