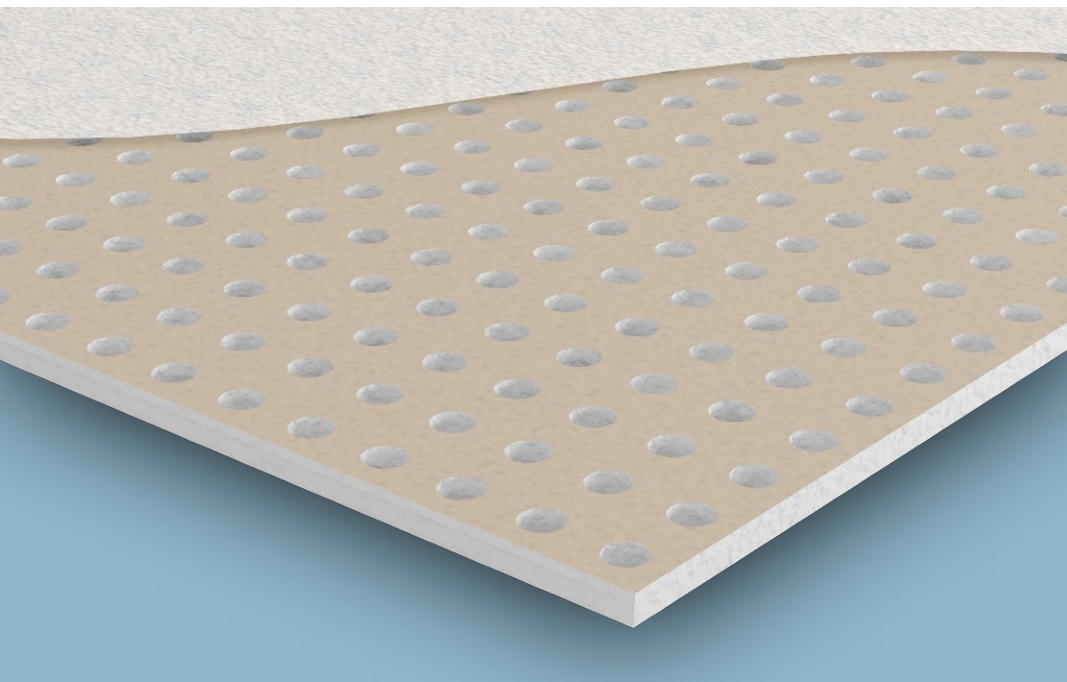


Note on English translation / Hinweise zur englischen Fassung

This is a translation of the product 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 Gips KG denies any liability for applications outside of Germany as this requires changes acc. to the respective national standards and building regulations.

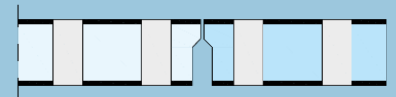


Drywall Systems

K713C.de

Product Data Sheet

2023-09



Cleaneo Thermoboard UFF

Perforated gypsum boards for sound absorbing heating and cooling systems

Product description

Cleaneo Thermoboards UFF are perforated gypsum boards compliant to EN 14190 with integral air-cleaning effect and a higher thermal conductivity. The boards feature a fibre fleece lining in black or white on the board rear. Without fibre fleece on request. They feature a UFF (4-side rebated edge) and have red and blue markings on the cut edges.

Storage

Store boards on board pallets in a dry environment.

Quality

In compliance with EN 14190, the product is subject to initial type testing and continuous factory production control and bears the CE marking.

Properties and added value

- Sound absorbing
- Reaction to fire A2-s1, d0
- Special gypsum core with high thermal conductivity
- Easy application
- Bendable

Field of application

Cleaneo Thermoboard UFF is used as cladding for panel heating and panel cooling systems that require good thermal conductivity, which make demands in terms of sound absorption and where the visual appearance must be impeccable. The cooling and/or heating capacity is system dependent and is generally specified by the system provider.

Suitable for the following systems:

- Acoustic cooling ceiling systems
- Wall and ceiling heating systems

Cleaneo Classic

Application

Note

Application should be undertaken in accordance to the applicable standards and acc. to the relevant Knauf system data sheets for drywall systems.

Application

Application acc. to DIN 18181. During application, the guidelines of the system supplier as well as specifications of the Code of Practice no. 1 "Baustellenbedingungen - Site conditions" (German only) of the BVG (IGG) have to be taken into consideration. For detailed information refer to the Installation Guide [Cleaneo UFF K761U-A01.de](#).

Grid

The substructure is part of the particular cooling or heating system for the wall or ceiling heating system and may vary depending on the different system suppliers. Only some basic data for fastening of Cleaneo Thermoboards are provided.

Cladding

Application of the Cleaneo Thermoboard preferably lateral to the furring channels with an axial spacing ≤ 333 mm. For further information refer to the system data sheet [Knauf Cleaneo Acoustic Board Ceilings D12.de](#).

Screw fastening

Commence with the fixing of the Cleaneo Thermoboard UFF in the board centre or on the board corner to avoid sagging. Press Cleaneo Thermoboard UFF tightly to grid while fastening. Centre screws at ≤ 250 mm on walls and ≤ 170 mm on ceilings. Screw onto CD Channels with Thermoboard screws TB 3.5 x 23 mm. In case of fastening directly on the system components, refer to instructions of the system provider.

Technical data

Description	Standard	Unit	Cleaneo Thermoboard UFF
Board type Germany	DIN 18180	–	Perforated gypsum board
Board type European	EN 14190	–	Procedures a), b), c), g)
Reaction to fire EN 13501-1	EN 14190	–	A2-s1, d0 (C.4)
Width dimensional tolerance	EN 14190	mm	+1 / -1
Length dimensional tolerance	EN 14190	mm	+1 / -1
Thickness dimensional tolerance	EN 14190	mm	+0.05 / -0.05
Angularity dimensional tolerance	EN 14190	mm per m board width	+2 / -2
Thermal conductivity λ (non-perforated board)	Following EN 12664	W/(m·K)	Approx. 0.3
Shrinkage and expansion per 1 % change of relative air humidity	–	mm/m	0.005 – 0.008
Shrinkage and expansion per 1 Kelvin change of temperature	–	mm/m	0.013 – 0.02
Long term temperature exposure (max. limit)	–	°C	≤ 50
Flow temperature with heating system max.	–	°C	≤ 45
Density	DIN 18180	g/cm ³	Approx. 1020
Flexural breaking load longitudinal direction (non-perforated board without fleece)	DIN 18180	N	≥ 430
Flexural breaking load transverse direction (non-perforated board without fleece)	DIN 18180	N	≥ 168
Board weight (non-perforated board without fleece)	DIN 18180	kg/m ²	Approx. 10.2
Permissible bending radius, dry bending, concave and convex	–	mm	≥ 3000

Jointing

Fill all joints with Uniflott filling compound.

Note

The guidelines of the German "Bundesverband Flächenheizung und Flächenkühlung e. V." must be observed. The guidelines can be found here: flaechenheizung.de/downloads

Joints

Apply expansion joints in case of:

- Cooling ceilings with side lengths from approx. 15 m or ceiling area ≥ 100 m².
- Heating ceilings with side lengths from approx. 7.5 m.
- Significantly narrowed ceiling spaces (e.g. as caused by narrow ceiling spaces due to a break in the wall).

Separate connections of Cleaneo Thermoboard UFF to components made of a different building material, especially columns, or thermally highly stressed built-ins such as lighting fixtures, for instance with shadow gaps.

Order information

Description	Width x length	Thick-ness	Delivery weight	Fibre fleece lining	Packaging unit	Material number	EAN
Cleaneo Thermoboard UFF 6/18 R 10	1188 x 1998 mm	10 mm	approx. 9.4 kg/m ³	Black White	25 pieces / pallet	00708781	4003982537669
Cleaneo Thermoboard UFF 8/18 R 10	1188 x 1998 mm	10 mm	approx. 8.7 kg/m ³	Black White	25 pieces / pallet	00708781	4003982537669
Cleaneo Thermoboard UFF 10/23 R 10	1196 x 2001 mm	10 mm	approx. 8.8 kg/m ³	Black White	25 pieces / pallet	00708781	4003982537669
Cleaneo Thermoboard UFF 12/25 R 10	1200 x 2000 mm	10 mm	approx. 8.5 kg/m ³	Black White	25 pieces / pallet	00708781	4003982537669
Cleaneo Thermoboard UFF 15/30 R 10	1200 x 1980 mm	10 mm	approx. 8.3 kg/m ³	Black White	25 pieces / pallet	00708781	4003982537669
Cleaneo Thermoboard UFF 8/18 Q 10	1188 x 1998 mm	10 mm	approx. 8.3 kg/m ³	Black White	25 pieces / pallet	00708781	4003982537669
Cleaneo Thermoboard UFF 12/25 Q 10	1200 x 2000 mm	10 mm	approx. 8 kg/m ³	Black White	25 pieces / pallet	00708781	4003982537669
Cleaneo Thermoboard UFF 8/12/50 R 10	1200 x 2000 mm	10 mm	approx. 9 kg/m ³	Black White	25 pieces / pallet	00708781	4003982537669
Cleaneo Thermoboard UFF 12/20/66 R 10	1188 x 1980 mm	10 mm	approx. 8.3 kg/m ³	Black White	25 pieces / pallet	00708781	4003982537669
Cleaneo Thermoboard UFF 8/15/20 R 10 Random Perforation	1200 x 2000 mm	10 mm	approx. 9.3 kg/m ³	Black White	25 pieces / pallet	00708781	4003982537669
Cleaneo Thermoboard UFF 10/16/22 R 10 Random Perforation	1200 x 2000 mm	10 mm	approx. 9 kg/m ³	Black White	25 pieces / pallet	00708781	4003982537669
Cleaneo Thermoboard UFF 12/20/35 R 10 Random Perforation	1200 x 1875 mm	10 mm	approx. 9.3 kg/m ³	Black White	25 pieces / pallet	00708781	4003982537669
Cleaneo Thermoboard UFF RE 10 Random Perforation	1199 x 1999 mm	10 mm	approx. 8.9 kg/m ³	Black White	25 pieces / pallet	00708781	4003982537669

Block perforation possible on request

Further versions, e.g. other perforations, edge designs: on request

Required specifications for ordering

Fleece lamination

Note	<p>Edge type 4-side tapered edge for higher crack resistance due to filling with Fugendekstreifen Kurt joint tape is available on request (block perforation / all around non-perforated perimeter).</p> <p>Also available as a non-perforated version (see product data sheet Thermoboard GKF K713T.de).</p>
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Sustainability and environment

Short description	Unit	Value
Requirements of the German AgBB-scheme	–	fulfilled
Complies with the requirements of the French emission class	–	A+
LEED requirements	–	fulfilled
BREEAM requirements	–	Exemplary Level
Eurofins Indoor Air Comfort Gold®	–	fulfilled
Recycling share post-consumer	%	Approx. 4
Environmental product declaration	–	EPD-BVG-20210342-IBE1-DE



Observe the safety data sheet!

For safety data sheets and CE marking see
pd.knauf.de



Videos for Knauf systems and products can be found under the following link:

youtube.com/knauf



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

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Knauf Direct

Technical Advisory Service:

▶ knauf-direkt@knauf.com

▶ www.knauf.de

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