

HOMALIGHT® D

The highly insulating, natural coreboards for doors and partition walls

TYPES OF APPLICATION

These boards are used in the door industry and by interior fitters for the following:

- Coreboards for doors
- Coreboards for partition walls and partition systems
- Coreboards for lightweight sandwich boards



PRODUCT

HOMALIGHT® D is a wood fibre insulation board, manufactured in a dry, continuous process and specially developed for use as a coreboard in doors, partition walls and the like.

STRENGTHS

- Homogeneous material
- Low mass per unit area
- Low water absorption and low thickness swelling
- Length and width swelling irrelevant due to the board structure
- Good sound and heat insulation
- Good climatic properties
- 100 % compatible with biological building
- Practically no VOC or formaldehyde emissions
- Made of FSC and PEFC certified regional timber
- Materials class E in accordance with DIN EN 13501-1
- Materials class C in accordance with DIN EN 13501-1 is also gross available as an option
- Processing using standard sawing/milling techniques is possible
- Available in standard and cut to size

PROCESSING

Further processing can be carried out using standard woodworking machinery and tools. Pressing: The properties of the coreboard must be taken in account when selecting the specific pressure. You must carry out your own preliminary trials and tests in advance.

ENVIRONMENT

The environmental compatibility of the **HOMALIGHT® D** boards begins with the environmentally-friendly materials used, such as untreated timber from resource-conserving, sustainably-managed forests and formaldehyde-free binding agents, and ends with our innovatively ecological and gentle manufacturing process.

SPECIFICATIONS

Description:	Wood fibre insulation board in accordance with DIN EN 13171
Surface:	Unsanded, sanded
Standard dimensions:	2440 x 1220 mm, 2800 x 1220 mm, (Cut to size on request)
Length:	1800 mm – 3700 mm
Length tolerance:	± 2 mm
Width:	590 mm – 1300 mm
Width tolerance:	-0 mm; + 2 mm
Thickness:	20 mm – 120 mm, in intervals of 1 mm (up to 240 mm on request)
Thickness tolerance:	-0 mm; + 2 mm, unsanded -0 mm; + 0,5 mm, sanded
Perpendicularity:	1 mm per 2 m
Density:	200 kg/m ³ ± 8 % (120 – 220 kg/m ³ on request)
Emissions:	formaldehyde-free bonding TVOC ≤ 300 µg/m ³
Thermal conductivity:	λ _D = 0.043 W/mK
Sound insulation:	R _w = 32 dB, R _w = 36 dB, R _w = 39 dB verified for 40 mm door leaf constructions
Thickness swelling:	< 10 % (24h)
Packaging:	On one-way pallets of approx. 1200 mm in height

PLEASE NOTE

The information provided here has been compiled to the best of our knowledge, but is not binding. Modifications are continuously being made due to further product development.