STEICO*top*

Wood fibre insulation board for attic floors



Directly accessible wood fibre insulation board for insulating attic floors

- Ideal for ceiling insulation in accessible but rarely-used attics
- Suitable for light footfall thanks to high compressive strength
- Handy formats
- Very good insulating properties in winter and summer
- Diffusion-open for high construction safety
- Wood from responsible forestry - PEFC certified

Application area



- Insulation of the top floor ceiling

Technical data

Produced and supervised according to	EN 13171
Board designation	WF – EN13171 – T5 – CS(10\Y)100 –TR10 – MU3
Fire class (RTF) according to EN 13501-1	E
Permanent temperature range	≤ 100 °C
Declared thermal conductivity	0.040 W/(m*K)
Density	~ 140 kg/m³
Water vapour diffusion resistance factor μ	3
Specific heat capacity	2,100 J/(kg*K)
Compressive strength at 10% compression δ_{10}	0.1 N/mm²
Compression strength	≥ 100 kPa
Tensile strength perpendicular to face	~ ≥ 10 kPa
Manufacturing process	dry process / utilization polyurethane resin for panel bonding
Ingredients	wood fibre, polyurethane resin, paraffin wax
Declared level of airflow resistance	≥100 (kPa*s)/m²

Additional technical data

Thickness [mm]	Declared thermal resistance [(m²*K)/W]	s_d value [m]
80	1.95	0.24
100	2.40	0.30

technical data sheet

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Bonded carbon

CO_2-storage

During growth, trees absorb carbon dioxide (CO_2) and split the molecule into carbon (C) and oxygen (O_2). The carbon is bound in the wood. The amount of bound carbon (C) is therefore also referred to as CO_2 equivalent (CO_2eq). As long as the wood is used in the form of wood products, the carbon remains bound and is removed from the atmosphere.

Biogenic carbon content in the product according to EN 15804+A2	approx. 237 kg CO_2eq/m³

Forms of delivery

Handy formats, e.g. for construction site assembly

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m²]
80	SE	1200	400	28	13.440
100	SE	1200	400	22	10.560

Weight and packing

Handy formats, e.g. for construction site assembly

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Weight/ m²[kg]	Weight/pcs. [kg]	pac./pal. paper/ cardboard (approx) [kg]	pac./pal. plastic (approx) [kg]	pac./pal. wood (approx) [kg]	Weight./pal. (approx.) [kg]
80	SE	1200	400	11.20	5.4	0.05	0.7	16.1	175
100	SE	1200	400	14.00	6.7	0.05	0.7	16.1	170

Notes

Storage

- Store wood fibre boards horizontally, flat and dry
- Protect edges from damage
- Only remove the film packaging when the ambient climate is dry and keep the pallet packing label
- Maximum stacking height: 3 pallets

Disposal

Waste cuttings:
- Waste code according to 2014/955/EU: 03 01 05

Dismantling:
- Waste code according to 2014/955/EU: 17 02 01

Cutting

- The boards can be cut to size using the STEICO*isoflex cut combi* cutting table or a band saw, circular saw, jigsaw and other wood-cutting tools.

Occupational health and safety

- Comply with local regulations for the processing of wood-fibre material
- Suitable protective measures must be taken when cutting the wood fibre insulation boards. (dust extraction, dust mask)

Building moisture

- Building moisture caused by e.g. fresh screed, plaster or paint must generally be removed by ventilation.
- Dry air must be provided inside the building during the construction phase.

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Installation

Please refer to the processing instructions at the following link:
https://www.steico.com/eur/downloads/documents/technical-/-installation

Additional information

- Wood fibre insulation materials must not be installed in the vicinity of fireplaces and heating systems. Local fire safety requirements must be observed in these areas. (Maintain the required clearances)
- Fibre abrasion occurs during shearing or rotational movements

Certificates and quality management

CE

PEFC
PEFC/04-31-2550
Promoting Sustainable Forest Management
www.pefc.org

Caption

other abbreviations

pal. Pallet
T&G Tongue and Groove
pac. Packaging
approx. Approximately
SE square edge
Pcs. Pieces
EUR Europe

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Compliance

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Liability disclaimer

The contents of this document have been compiled with the utmost care. However, applicable standards and regulations can change. STEICO accepts no liability for the accuracy, completeness and current applicability of the standards and regulations presented. Always check compliance with standards and regulations and the suitability of our products for the specific intended use, and make any necessary adjustments during installation.

STEICO accepts no responsibility for the completeness, accuracy or quality of information provided by third parties.

Regional document validity: EU*

***Additional Validity Information**

The contents of this document have been prepared in consideration of European product standards and provide a general overview of component structures, construction methods, and installation. Local applicable regulations have not been considered.

The most recent version of this document applies. This version can be found at:
www.steico.com/tds_steicotop_eur_en