technical data sheet

STEICO*phaltex*

Multi purpose, bituminous wood fibre board



Bituminous wood fibre board with a wide range of application

- Rediced short-therm moisture absorption
- Easy to handle
- Suitable as insulation for mastic asphalt screed
- Wood from responsible forestry - PEFC certified

Application area

- multi purpose, bituminous rigid insulation board

Technical data

Produced and supervised according to	EN 13986
Board designation	EN 622-4 SB.H-E1
Fire class (RTF) according to EN 13501-1	E
Permanent temperature range	≤100 °C
Declared thermal conductivity	0.050 W/(m*K)
Rated value thermal conductivity (according to EN ISO 10456, Table 3)	0.070 W/(m*K)
Density	~ 230 (10% bitumen) kg/m³
Water vapour diffusion resistance factor μ	5
Specific heat capacity	2,100 J/(kg*K)
Compression strength	≥ 100 kPa
Manufacturing process	wet process / utilisation of the wood's own lignin for panel bonding
Ingredients	wood fibre, bitumen (approx 10%) , paraffin

Additional technical data

Thickness [mm]	Declared thermal resistance [(m²*K)/W]	s_d value [m]
10	0.20	0.05
12	0.20	0.06
19	0.35	0.10

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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. 363 kg CO_2eq/m³

Forms of delivery

Large formats for versatile use

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m²]
10	SE	2500	1200	114	342.000
12	SE	2500	1200	95	285.000
19	SE	2500	1200	60	180.000

Weight and packing

Large formats for versatile use

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]
10	SE	2500	1200	2.10	6.9	0.05	1.5	25.9	815
12	SE	2500	1200	2.80	8.3	0.05	1.5	25.9	820
19	SE	2500	1200	4.40	13.1	0.05	1.5	25.9	815

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: 4 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

Processing

- The boards can be cut to size using 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)

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Installation

- This is an industrial product with no defined application areas. Please contact STEICO for technical support to ensure this product is suitable for your requirements

Certificates and quality management

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

Responsible for content
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Version: 3
Date: 2026-09-21

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_steicophaltex_eur_en