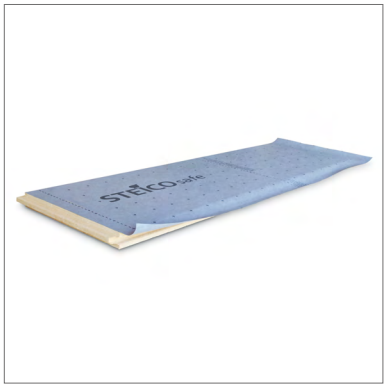
Technical data sheet

STEICO*safe*

Sarking and sheathing board with integrated membrane



Insulating sarking and sheathing board with laminated membrane for increased weather protection in new builds and renovations

- Sarking and sheathing board for increased rain protection, for flat pitched roofs or behind brickwork facades
- Can be used from 40 mm board thickness in conjunction with STEICO air-injected insulation
- Optimised for use on low-pitch roofs
- Also ideal for renovation projects thanks to high board thicknesses and very good insulation performance
- Diffusion-open for increased structural safety
- Wood from responsible forestry - PEFC certified

Application area



- Rigid underlay board for the roof area
- Wall construction panel for timber construction in combination with ventilated rainscreen facades
- Soffit panel for the roof area from ≥ 5° (Tile roofing from ≥ 10°)

Technical data

Produced and supervised according to	EN 13171
Board designation	40 mm: WF – EN 13171 – T5 – WS1,0 – CS(10\Y) 200 – DS(70,90)3 – TR30; 60 - 100 mm: WF – EN 13171 – T5 – WS1,0 – CS(10\Y) 100 – DS(70,-)2 – TR10; 120 - 240 mm: WF – EN 13171 – T5 – WS1,0 – CS(10\Y) 50 – TR10
Fire class (RTF) according to EN 13501-1	E
Permanent temperature range	≤ 100 °C
Declared thermal conductivity	0,043 (40 mm) / 0,040 (60-100 mm) / 0,037 (120-240 mm) W/(m*K)
Density	~ 180 (40 mm) / 140 (60-100 mm) / 110 (120-240 mm) kg/m³
Short-term water absorption	≤ 1.0 kg/m²
Specific heat capacity	2,100 J/(kg*K)
Compressive strength at 10% compression δ_{10}	0.2 (40 mm) / 0.1 (60-100 mm) / 0.05 (120-240 mm) N/mm²
Compression strength	200 (40 mm) / 100 (60-100 mm) / 50 (120-240 mm) kPa
Manufacturing process	dry process / utilization polyurethane resin for panel bonding
Permissible roof pitch without additional measures	≥ 5 °
Ingredients	Wood fibre, PUR resin, paraffin, diffusion-open bottom cover membrane 3-ply protected on both sides with PP fleece, seam bonding acrylic dispersion, solvent-free
Processing temperature	≥ +5 °C
Resistance to water penetration	W1
Outdoor exposure	8 weeks

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Additional technical data

Thickness [mm]	Declared thermal resistance [(m²*K)/W]	s_d value [m]
40	0.90	0.36
60	1.50	0.36
80	2.00	0.48
100	2.50	0.60
120	3.20	0.60
140	3.75	0.70
160	4.30	0.80
180	4.85	0.90
200	5.40	1.00
240	6.45	1.20

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. 211 (safe 60-80 mm) kg CO_2eq/m³

Forms of delivery

Handy formats, e.g. for construction site assembly

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Length net [mm]	Width net [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m²]	Coverage/pal. net [m²]
40	T+G	2230	600	2205	575	56	74.928	71.001
60	T+G	2230	600	2205	575	36	48.168	45.644
80	T+G	2230	600	2205	575	28	37.464	35.501
100	T+G	2230	600	2205	575	22	29.436	27.893
120	T+G	1880	600	1855	575	18	20.304	19.199
140	T+G	1880	600	1855	575	16	18.048	17.066
160	T+G	1880	600	1855	575	14	15.792	14.933
180	T+G	1880	600	1855	575	12	13.536	12.800
200	T+G	1880	600	1855	575	12	13.536	12.800
240	T+G	1880	600	1855	575	10	11.280	10.666

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Weight and packing

Handy formats, e.g. for construction site assembly

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Weight/ m^2[kg]	Weight/pcs. [kg]	pac./pal. paper/ cardboard (approx) [kg]	pac./pal. plastic (approx) [kg]	pac./pal. wood (approx) [kg]	Weight./pal. (approx.) [kg]
40	T+G	2230	600	7.20	9.1	0.05	1.0	36.2	535
60	T+G	2230	600	8.40	10.7	0.05	1.0	28.4	410
80	T+G	2230	600	11.20	14.2	0.05	1.0	28.4	425
100	T+G	2230	600	14.00	17.8	0.05	1.0	28.4	415
120	T+G	1880	600	13.20	14.1	4.50	1.0	25.5	285
140	T+G	1880	600	15.40	16.4	4.50	1.0	25.5	295
160	T+G	1880	600	17.60	18.8	4.50	1.0	25.5	300
180	T+G	1880	600	19.80	21.1	4.50	1.0	25.5	290
200	T+G	1880	600	22.00	23.5	4.50	1.0	25.5	320
240	T+G	1880	600	26.40	28.2	4.50	1.0	25.5	320

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 40mm / 3 pallets 60-100mm / 2 pallets ≥ 120 mm

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 panels can be cut to size using a band saw, circular saw, jigsaw and other wood-cutting tools.
- To prevent the laminated water-bearing sheet from tearing out, cut on the non-covered side of the panel

Occupational health and safety

- STEICO wood fibre boards can be walked on directly above a rafter or joist support, however they cannot be used as the primary walking surface
- To ensure that the roof can be walked on at all times, it is advisable to lay the battens at the same time.
- Additional fall protection (man safe systems) should be used in line with national guidelines
- Suitable protective measures must be taken when cutting the wood fibre insulation boards. (dust extraction, dust mask)
- Comply with local regulations for the processing of wood-fibre material

Building moisture

- Condensation on the side of the panel facing the room during the construction phase disrupts (hinders) the diffusion flow.
- Building moisture caused by fresh screed, plaster or paint, for example, must generally be removed by ventilation.
- Dry air must be ensured inside the building during the construction phase.

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Installation

Installation in roof and wall areas

- Please observe the processing instructions under the following link: https://www.steico.com/eur/downloads/documents/technical-/-installation

Additional information

- The suitability of further superstructures and installations such as the roof cladding, solar and PV elements as well as roof windows must be checked by the contractor independently.

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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Liability disclaimer

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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_steicosafe_eur_en