Technical data sheet

STEICO*universal*

Sarking and sheathing board



Insulating sarking and sheathing board - with wood's own lignin as a binding agent

- 3-fold function: cold protection, rain protection, wind protection
- Can be used from 35 mm board thickness in conjunction with STEICO air-injected insulation
- With wood's own lignin as a binding agent
- Excellent summer heat protection
- Diffusion-open for increased structural safety
- Wood from responsible forestry - PEFC certified

Application area



- Rigid sarking board for the roof area
- Wall construction (sheathing) panel for timber construction in combination with curtain-type, rear-ventilated facades
- Provides temporary weather protection
- From a roof pitch of ≥ 14°

Technical data

Produced and supervised according to	EN 13171, EN 14964
Board designation	WF – EN 13171 – AFr100 – T5 – WS1,0 – MU5 – CS (10 \Y) 200 – DS (70,-) 2 –TR30, EN-14964-IL
Fire class (RTF) according to EN 13501-1	E
Permanent temperature range	≤ 100 °C
Declared thermal conductivity	0.048 W/(m*K)
Density	~ 270 kg/m³
Water vapour diffusion resistance factor μ	5
Short-term water absorption	≤ 1.0 kg/m²
Specific heat capacity	2,100 J/(kg*K)
Compressive strength at 10% compression δ_{10}	0.20 N/mm²
Compression strength	200 kPa
Tensile strength perpendicular to face	~ ≥ 30 kPa
Manufacturing process	wet process / utilisation of the wood's own lignin for panel bonding
Permissible roof pitch without additional measures	≥ 14 °
Ingredients	wood fibre, aluminium sulphate, paraffin, bond between layers
Outdoor exposure	4 weeks

STEICO*universal*

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Additional technical data

Thickness [mm]	Declared thermal resistance [(m²*K)/W]	s_d value [m]
22	0.45	0.11
35	0.70	0.18
60	1.25	0.30

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. 458 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]
22	T+G	2230	600	2210	585	104	139.152	134.456
35	T+G	2230	600	2205	575	64	85.632	81.144
60	T+G	2230	600	2205	575	36	48.168	45.644

XXL formats for prefabrication

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]
35	T+G	2800	1200	2775	1175	33	110.880	107.601
35	SE	2800	1250			33	115.500	

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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]
22	T+G	2230	600	5.94	7.5	0.05	4.5	28.0	815
35	T+G	2230	600	9.50	12.0	0.01	4.5	27.3	805
60	T+G	2230	600	16.20	20.5	0.05	4.5	27.3	775

XXL formats for prefabrication

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]
35	T+G	2800	1200	9.50	30.8	0.01	5.5	45.5	1070
35	SE	2800	1250	9.50	33.1	0.01	1.5	58.8	1155

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

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

- 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.

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

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Sarking and sheathing board

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

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_steicouniversal_eur_en