Technical data sheet

STEICO*special dry*

Combined sheathing and render board



Insulating sheathing and render board - optimised cold protection and high board thicknesses

- 4-fold function: cold protection, rain protection, wind protection, render board
- Can be used in conjunction with STEICO air-injected insulation
- Particularly economical – just one type of panel for roof constructions (from 1880 mm in length) and rendered façades (from 40 mm in thickness)
- 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



- Provides temporary weather protection
- Plaster coatable wood fibre boards for external use
- Wall construction panel for timber construction in combination with ventilated rainscreen facades
- Can be used from a roof pitch of ≥ 14°

Technical data

Produced and supervised according to	EN 13171, EN 14964
Board designation	WF – EN 13171 – T5 – WS1,0 – MU3 – CS (10\Y)100 –DS(70/-)2 – TR20
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
Short-term water absorption	≤ 1.0 kg/m²
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	~ ≥ 20 kPa
Manufacturing process	dry process / utilization polyurethane resin for panel bonding
Permissible roof pitch without additional measures	≥ 14 °
Ingredients	wood fibre, polyurethane resin, paraffin wax
Declared level of airflow resistance	≥100 (kPa*s)/m²
Outdoor exposure	4 weeks

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Additional technical data

Thickness [mm]	Declared thermal resistance [(m²*K)/W]	s_d value [m]
60	1.50	0.18
80	2.00	0.24
100	2.50	0.30
120	3.00	0.36
140	3.50	0.42
160	4.00	0.48
180	4.50	0.54
200	5.00	0.60

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. 236 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]
60	T+G	1325	600	1300	575	38	30.210	28.405
60	T+G	1880	600	1855	575	36	40.608	38.399
60	T+G	2230	600	2205	575	36	48.168	45.644
80	T+G	1325	600	1300	575	28	22.260	20.930
80	T+G	1880	600	1855	575	28	31.584	29.866
80	T+G	2230	600	2205	575	28	37.464	35.501
100	T+G	1325	600	1300	575	22	17.490	16.445
100	T+G	1880	600	1855	575	22	24.816	23.466
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

XXL formats for prefabrication

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m²]
60	SE	2800	1250	19	66.500
80	SE	2800	1250	14	49.000
100	SE	2800	1250	11	38.500

Technical data sheet

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Combined sheathing and render board

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]
60	T+G	1325	600	8.40	6.3	0.05	3.6	22.3	270
60	T+G	1880	600	8.40	9.0	0.05	4.0	25.5	360
60	T+G	2230	600	8.40	10.7	0.05	4.3	27.8	425
80	T+G	1325	600	11.20	8.4	0.05	3.6	22.3	265
80	T+G	1880	600	11.20	11.9	0.05	4.0	25.5	370
80	T+G	2230	600	11.20	14.2	0.05	4.3	28.0	435
100	T+G	1325	600	14.00	10.5	0.05	3.6	22.3	260
100	T+G	1880	600	14.00	14.9	0.05	4.0	25.5	365
100	T+G	2230	600	14.00	17.8	0.05	4.3	28.1	430
120	T+G	1880	600	16.80	17.9	0.05	4.0	25.5	355
140	T+G	1880	600	19.60	20.9	0.05	4.0	25.5	370
160	T+G	1880	600	22.40	23.9	0.05	4.0	25.5	370
180	T+G	1880	600	25.20	26.9	0.05	4.0	25.5	355
200	T+G	1880	600	28.00	29.9	0.05	4.0	25.5	395

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]
60	SE	2800	1250	8.40	29.4	0.05	1.5	59.0	625
80	SE	2800	1250	11.20	39.2	0.05	1.5	59.0	615
100	SE	2800	1250	14.00	49.0	0.05	1.5	59.0	605

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

- 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 cutting of wood-fibre materials

Building moisture

- Condensation on the side of the panel facing the room during the construction phase disrupts (hinders) the diffusion flow.
- Excess moisture caused by e.g. fresh screed, plaster, or paint must 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 / plaster base board

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

Additional information

- The maximum weight of the entire render system is 25kg
- Gluing clinker brick slips onto the plaster base board / plaster system is not permitted

Certificates and quality management

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_steicospecialdry_eur_en