Technical data sheet

STEICO*universal dry*

Combined sarking, sheathing and render board



Insulating sarking, sheathing and render board - high stability even with low board thicknesses

- 4-fold function: cold protection, rain protection, wind protection, render board
- Can be used from 35 mm board thickness in conjunction with STEICO air-injected insulation
- Particularly economical – just one type of board for roof constructions (from 1880 mm in length) and rendered façades (from 40 mm in thickness)
- Particularly robust insulation board thanks to the high raw density
- 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°
- Plaster-coatable wood fibre insulation board for the STEICO*secure* Timber ETICS
- Under-rafter render carrying insulation board (up to 60mm thick) within roof applications
- Stable insulation for floor structures

Technical data

Produced and supervised according to	EN 13171, EN 14964
Board designation	WF – EN 13171 – T5 – DS(70,-)2 – CS(10\Y)200 – TR30 – WS1,0 – MU3
Fire class (RTF) according to EN 13501-1	E
Permanent temperature range	≤ 100 °C
Declared thermal conductivity	0.045 (35 mm) / 0.043 (≥ 40 mm) W/(m*K)
Density	~ 210 (35 mm) / 180 (≥ 40 mm) 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}	0.20 N/mm²
Compression strength	≥ 200 kPa
Tensile strength perpendicular to face	~ ≥ 30 kPa
Manufacturing process	dry process / Utilisation 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
Compressibility with payload ≤ 5 kPa	≤ 1, CP1 35 mm
Outdoor exposure	4 weeks

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Additional technical data

Thickness [mm]	Declared thermal resistance [(m²*K)/W]	s_d value [m]
35	0.75	0.11
40	0.90	0.12
60	1.35	0.18
80	1.85	0.24
100	2.30	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. 353 kg CO_2eq/m³

Forms of delivery

For variable use on the construction site and 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	2230	600	2205	575	64	85.632	81.144
40	T+G	1880	600	1855	575	56	63.168	59.731
40	T+G	2230	600	2205	575	56	74.928	71.001
60	T+G	1325	600	1300	575	36	28.620	26.910
60	T+G	1880	600	1855	575	38	42.864	40.532
60	T+G	2230	600	2205	575	36	48.168	45.644
80	T+G	1880	600	1855	575	28	31.584	29.865
100	T+G	1880	600	1855	575	22	24.816	23.466

Weight and packing

For variable use on the construction site and 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	2230	600	7.35	9.3	0.05	4.3	28.6	635
40	T+G	1880	600	7.20	7.7	0.05	4.1	26.3	465
40	T+G	2230	600	7.20	9.1	0.05	4.3	28.6	550
60	T+G	1325	600	10.80	8.1	0.05	3.6	22.6	325
60	T+G	1880	600	10.80	11.5	4.40	1.1	25.5	475
60	T+G	2230	600	10.80	13.7	0.05	4.3	28.6	530
80	T+G	1880	600	14.40	15.4	0.05	4.0	25.4	465
100	T+G	1880	600	18.00	19.2	0.05	4.0	25.4	460

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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.
- 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.

Installation

Processing 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 allowable weight of the entire render system is 25kg/m²
- 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

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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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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_steicouniversaldry_eur_en