



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 façades
- Provides temporary weather protection
- From a roof pitch of $\geq 14^\circ$
- 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, EN-14964-IL
Fire class (RTF) according to EN 13501-1	E
Permanent temperature range [°C]	≤ 100
Declared thermal conductivity [W/(m*K)]	0.045 (35 mm) / 0.043 (≥ 40 mm)
Density [kg/m³] (approx.)	210 (35 mm) / 180 (≥ 40 mm)
Water vapour diffusion resistance factor μ	3
Short-term water absorption [kg/m²]	≤ 1.0
Specific heat capacity [J/(kg*K)]	2,100
Compressive strength at 10% compression δ_{10} [N/mm²]	0.20
Compression strength [kPa]	200
Tensile strength perpendicular to face [kPa] (approx.)	≥ 30
Manufacturing process	dry process / Utilisation polyurethane resin for panel bonding
Permissible roof pitch without additional measures [°]	≥ 14
Maximum undercutting of the standard roof pitch [°]	8
Ingredients	wood fibre, polyurethane resin, paraffin wax
Declared level of airflow resistance [(kPa*s)/m²]	≥ 100
Outdoor exposure [weeks]	4
Bonded carbon [kg CO ₂ equivalent./m²] (approx.)	260

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

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 [m ²]	Coverage/pal. net [m ²]
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
40	T+G	2550	600	2525	575	56	85.680	81.305
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
60	T+G	2550	600	2525	575	36	55.080	52.267
60	T+G	2550	1175	2525	1150	19	56.929	55.171
80	T+G	1880	600	1855	575	28	31.584	29.865
100	T+G	1880	600	1855	575	22	24.816	23.466

XXL formats for prefabrication

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Length net [mm]	Width net [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m ²]	Coverage/pal. net [m ²]
40	SE	2800	1250	2800	1250	28	98.000	98.000
40	SE	3000	2500	3000	2500	28	210.000	210.000
40	SE	6000	2500	6000	2500	15	225.000	225.000
60	SE	2600	1250	2600	1250	19	61.750	61.750
60	SE	2800	1250	2800	1250	19	66.500	66.500
60	SE	3000	1250	3000	1250	19	71.250	71.250
60	SE	3000	2500	3000	2500	19	142.500	142.500
60	SE	6000	2500	6000	2500	10	150.000	150.000

Weight and packing

For variable use on the construction site and for prefabrication

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]
35	T+G	2230	600	7.35	9.3	3.20	1.1	28.4	630
40	T+G	1880	600	7.20	7.7	4.40	1.1	25.5	465
40	T+G	2230	600	7.20	9.1	4.60	1.1	28.4	550
40	T+G	2550	600	7.20	10.5	5.00	1.5	36.2	635
60	T+G	1325	600	10.80	8.1	2.50	1.0	30.7	345
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	4.60	1.1	28.4	530
60	T+G	2550	600	10.80	15.7	3.50	1.5	36.2	640
60	T+G	2550	1175	10.80	31.4	3.90	1.1	36.2	640
80	T+G	1880	600	14.40	15.4	4.40	1.1	25.5	465
100	T+G	1880	600	18.00	19.2	4.40	1.1	25.5	460

XXL formats for prefabrication

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	SE	2800	1250	7.20	25.2	0.10	1.5	59.5	770
40	SE	3000	2500	7.20	54.0	0.10	0.6	173.6	1690
40	SE	6000	2500	7.20	108.0	0.10	1.2	380.2	2005
60	SE	2600	1250	10.80	35.1	0.10	1.5	56.3	730
60	SE	2800	1250	10.80	37.8	0.10	1.5	59.5	785
60	SE	3000	1250	10.80	40.5	0.10	1.5	61.5	835
60	SE	3000	2500	10.80	81.0	0.10	0.6	173.6	1720
60	SE	6000	2500	10.80	162.0	0.10	1.2	380.2	2005

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/int/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
- STEICO *universal dry* with T&G has a water-repellent surface - may be used without additional weatherproof membranes behind rear-ventilated façades

Certificates and quality management



☰ Caption

other abbreviations

pal. Pallet
T&G Tongue and Groove
pac. Packaging
approx. Approximately
SE square edge
Pcs. Pieces

Responsible for content

STEICO SE
Otto-Lilienthal-Ring 30
85622 Feldkirchen
Germany
Web: www.steico.com
Mail: info@steico.com

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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. Before using our products, please verify that the applicable regulations for the specific area of use are followed.

The currently valid version can be found at: www.steico.com/tds_steicouniversaldry_eur_en