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
- 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 – DS(70,-)2 – CS(10\Y)100 – TR20-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)]	0.040
Density [kg/m³] (approx.)	140
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]	0.1
Compression strength [kPa]	≥ 100
Tensile strength perpendicular to face [kPa] (approx.)	≥ 20
Manufacturing process	dry process / utilization 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./m³] (approx.)	200

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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

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	17.490	16.445
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

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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]
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	350
140	T+G	1880	600	19.60	20.9	0.05	4.0	25.5	360
160	T+G	1880	600	22.40	23.9	0.05	4.0	25.5	360
180	T+G	1880	600	25.20	26.9	0.05	4.0	25.5	350
200	T+G	1880	600	28.00	29.9	0.05	4.0	25.5	395

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)
- HSE guidance on the safe cutting of timber and the management of wood dust should be followed

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/en/technical/installation

Additional information

- The maximum weight of the entire render system is 25kg
- Gluing brick slips onto the plaster base board / plaster system is not permitted
- STEICO*special dry* with T&G has a water-repellent surface - may be used without additional weatherproof membranes behind rear-ventilated façades

Certificates and quality management

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Caption

other abbreviations

pal. Pallet
T&G Tongue and Groove
pac. Packaging
approx. Approximately
SE square edge
Pcs. Pieces
UDP-A sarking and sheathing board type A

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The currently valid version can be found at: www.steico.com/tds_steicospecialdry_gbr-irl_en