

STEICO *duo dry*

Combined insulated sheathing and render board



- Instant weather protection with the tried and tested STEICO T&G profile
- Render carrying wood fibre insulation board for the STEICO*secure* Timber ETICS
- Both water repellent and vapour permeable for robust constructions
- Excellent insulation properties in summer and winter and good sound insulation
- Suitable for air-injected insulation from 40mm thick
- Sarking board type: UDP-A, suitable as a temporary weatherproofing cover

Application area



- Rigid sarking board for roof
- Sheathing board for timber wall constructions in combination with a ventilated rain screen facade
- Windproof tongue and groove connection
- Suitable as an under-rafter insulation layer to accept plastering

Technical data

Produced and supervised according to	EN 13171, EN 14964
Board designation	WF – EN 13171 – T5 – DS(70,90)3 – CS(10Y)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)]	0.043
Density [kg/m ³]	approx. 180
Water vapour diffusion resistance factor μ	3
Short-term water absorption [kg/m ²]	≤ 1.0
Specific heat capacity [J/(kg*K)]	2,100
Compressive strength at 10% compression δ_{10} [N/mm ²]	0.2
Compression strength [kPa]	≥100
Tensile strength perpendicular to face [kPa]	≥20
Manufacturing process	dry process / utilization polyurethane resin for panel bonding (approx. 5%)
Permissible roof pitch without additional measures [°]	≥14
Maximum undercutting of the standard roof pitch [°]	8
Ingredients	wood fibre, polyurethane resin, paraffin wax
European Waste Code (EWC)	030105/170201, disposal as wood and wood-based materials, waste wood category A II
Bonded carbon [kg CO ₂ equivalent./m ³]	260

Additional technical data

Thickness [mm]	Declared thermal resistance [(m ² *K)/W]	s _d value [m]
40	0.90	0.12
40	0.93	0.12
60	1.40	0.18
80	1.85	0.24

Forms of delivery

Combo formats for roof and wall applications

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	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	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	38	58.140	55.171
60	T+G	2550	1175	2525	1150	19	56.929	55.171
80	T+G	1880	600	1855	575	28	31.584	29.866

XXL formats for factory pre-fabricated production

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m ²]
40	SE	3000	2500	28	210.000
40	SE	6000	2500	15	225.000
60	SE	3000	2500	19	142.500
60	SE	6000	2500	10	150.000

Weight and packing

Combo formats for roof and wall applications

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	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	1880	600	10.80	11.5	4.40	1.1	25.5	470
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	15.6	4.40	1.1	25.5	470

XXL formats for factory pre-fabricated production

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	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	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

- Disposal of offcuts: Waste code (EWC / AVV) 170201/030105, disposal as wood and wood-based materials, waste wood category II
- Disposal after dismantling: Waste code (EWC / AVV) 170201/030105, disposal as wood and wood-based materials, waste wood category II

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)

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.
- Additional measures, such as the installation of drying equipment during the construction phase, are recommended.

Installation

Installation in roof and wall areas

- For additional technical documentation, handling instructions etc. please consult the STEICO homepage.

Installation as a plaster base board

Under <http://www.steico.com/technical-installation> or the enclosed QR code, you will find the processing instructions for this product under the category „processing instructions STEICO ETICS“.
(Installation instructions facade insulation)

Additional information

- This document is based on the German technical data sheet and is intended for general information purposes in an international context. National regulations and building codes must be additionally observed.
- 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 *duo dry* with T&G has a water-repellent surface - may be used without additional weatherproof membranes behind rear-ventilated façades and roofing when the pitch is greater than 14°



Certificates and quality management



☰ Caption

other abbreviations

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