

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

Fields of application according to DIN 4108 - 10: 2021

- DAD (dk, dg, dm, dh, ds)
- DI (zk, zg)
- WAB ^{b)} (dk, dg, dm, dh, ds)
- WAP ^{b),c)} (zg, zh)
- WI (zk, zg)

Technical data

Produced and supervised according to	EN 13171, EN 14964
Board designation	WF – EN 13171 – T5 – DS(70,90)3 – CS(10V)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
60	1.40	0.18

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	2230	600	2205	575	56	74.928	71.001
60	T+G	2230	600	2205	575	36	48.168	45.644

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	2230	600	7.20	9.1	0.05	1.0	28.4	540
60	T+G	2230	600	10.80	13.7	0.05	1.0	28.4	520

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

Fields of application

Ceiling, Roof

DAD Outside insulation of roof or ceiling, protected against direct exposure to the weather, insulation under coverage

DI Internal insulation of the ceiling (from below) or of the roof, insulation under rafters/supporting structure, suspended ceiling, and so on

Wall

WI Interior wall insulation

WAB External insulation of the wall behind the cladding

WAP External insulation of the wall under rendering

b) Also for application from below against outside air.

c) Application area/abbreviation WAP does not apply for integration into the ground and for insulation boards in external thermal insulation composite systems (ETICS). ETICS are not a standardized application.

Differentiation of certain product features:

Pressure resistance

dk No compressive strength

dg Low compressive strength

dm Medium compressive strength

dh High compressive strength

ds Very high compressive strength

Tensile strength

zk No requirements for tensile strength

zg Low tensile strength

zh High tensile strength

other abbreviations

pal. Pallet

T&G Tongue and Groove

pac. Packaging

approx. Approximately

SE square edge

Pcs. Pieces