



- Ecological, production without additional adhesives
- Excellent insulation for winter cold and summer heat protection
- Reduces thermal bridging
- Can be used in conjunction with STEICO air-injected insulation from 35mm thick
- No additional weatherproof membrane required from a roof pitch of $\geq 14^\circ$
- Environmentally friendly and recyclable like wood

Application area



- Rigid sarking board for the roof area
- Wall construction (sheathing) panel for timber construction in combination with ventilated rainscreen facades
- Windproof tongue and groove connection

Fields of application according to DIN 4108 - 10: 2021

- DAD (dk, dg, dm, dh, ds)
- DEO (dk, dg, dm, dh, ds)
- WAB^{b)} (dk, dg, dm, dh, ds)

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 – AFR100, EN-14964-IL
Fire class (RTF) according to EN 13501-1	E
Permanent temperature range [°C]	≤ 100
Declared thermal conductivity [W/(m*K)]	0.048
Density [kg/m ³]	approx. 270
Water vapour diffusion resistance factor μ	5
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]	0.20
Compression strength [kPa]	200
Tensile strength perpendicular to face [kPa]	≥ 30
Manufacturing process	wet process / utilisation of the wood's own lignin for panel bonding
Permissible roof pitch without additional measures [°]	≥ 14
Maximum undercutting of the standard roof pitch [°]	8
Ingredients	wood fibre, aluminium sulphate, paraffin, bond between layers
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]	420

Additional technical data

Thickness [mm]	Declared thermal resistance [(m ² *K)/W]	s _d value [m]
22	0.45	0.11
35	0.70	0.18

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 [m ²]	Coverage/pal. net [m ²]
22	T+G	2230	600	2215	580	104	139.152	134.761
35	T+G	2230	600	2205	575	64	85.632	81.144

Weight and packing

Handy formats, e.g. for construction site assembly

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]
22	T+G	2230	600	5.83	7.7	0.05	1.2	28.1	825
35	T+G	2230	600	9.28	12.0	0.05	1.2	27.5	795

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)
- 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.
- 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

Processing in roof and wall areas

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

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

DEO Inside insulation of the ceiling (on the top) under screed without noise protection requirements

Wall

WAB External insulation of the wall behind the cladding ^{b)}

b) Also for application from below against outside air.

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

other abbreviations

pal. Pallet

T&G Tongue and Groove

pac. Packaging

approx. Approximately

SE square edge

Pcs. Pieces