



- Excellent impact sound reduction and improves the room acoustics
- Excellent insulation properties
- High sorption capacity contributes to a balanced indoor climate
- Ecological, sustainable and recyclable like natural wood

Application area



- floor insulation to support laminate or solid wooden floorboards

Fields of application according to DIN 4108 - 10: 2021

- DEO (dk, dg, dm)

Technical data

Produced and supervised according to	EN 13171
Board designation	WF – EN 13171 – T4 – CS(10\Y)50 – TR2,5 – AFr 100
Fire class (RTF) according to EN 13501-1	E
Permanent temperature range [°C]	≤100
Declared thermal conductivity [W/(m*K)]	0.038
Density [kg/m³]	approx. 160
Water vapour diffusion resistance factor μ	5
Specific heat capacity [J/(kg*K)]	2,100
Compressive strength at 10% compression δ_{10} [N/mm²]	0.05
Compression strength [kPa]	50
Tensile strength perpendicular to face [kPa]	≥ 2.5
Manufacturing process	wet process / utilisation of the wood's own lignin for panel bonding
Ingredients	wood fibre, bond between layers
European Waste Code (EWC)	030105/170201, disposal as wood and wood-based materials, waste wood category A II
Declared level of airflow resistance [(kPa*s)/m²]	≥100
Bonded carbon [kg CO ₂ equivalent./m³]	270

Additional technical data

Thickness [mm]	Declared thermal resistance [(m²*K)/W]	s_d value [m]
35	0.25	7.18
40	1.05	0.20

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]
40	T+G	1200	380	1186	366	84	38.304	36.462

LVL-Battens

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]
35	T+G	2000	50	10
35	T+G	2000	50	360

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]
40	T+G	1200	380	6.40	2.8	4.20	0.7	18.3	250

LVL-Battens

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Weight/m ² [kg]	Weight/rm [kg]	pac./pal. plastic (approx) [kg]	pac./pal. wood (approx) [kg]
35	T+G	2000	50	2.00	1.00	0.1	0.1
35	T+G	2000	50	2.00	1.00	0.1	0.1

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: 2 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 a band saw, circular saw, jigsaw and other wood-cutting tools.

Occupational health and safety

- Comply with local regulations for the processing of wood-fibre material.
- Suitable protective measures must be taken when cutting the wood fibre insulation boards. (dust extraction, dust mask)

Building moisture

- 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.
- The drying times of the various elements must be observed.
- STEICO*floor* is used in rooms with normal moisture exposure. The use in areas with increased moisture load must be clarified in individual cases.
- If the STEICO product becomes damp during storage, it must be dried before installation
- When laying on mineral substrates in the floor area, a separating layer is recommended. This protects the STEICO*floor* from rising residual moisture

Installation

Installation for floor systems

- When laying on mineral substrates, a separating layer is recommended. This protects the STEICO*floor* from rising residual moisture.
 - Installation on full-surface substrate
 - STEICO*floor* must be laid in a bond. (min. offset 250 mm)
 - Maintain edge distances 5-12mm (STEICO*soundstrip*)
 - It is recommended to start with half the width of the tile width.
 - The local fire protection requirements must be observed in areas of chimney and heating systems. (Observe clearances)
 - The installation battens between the wood fibre boards must be laid with a minimum offset of 500 mm to each other
 - When fastening the floor covering to the installation battens, fasteners of the appropriate length must be selected
 - To ensure soundproofing, screws must not penetrate further than the LVL batten depth. There must be no direct contact with substrate.
- 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

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

Differentiation of certain product features:

Pressure resistance

- dk** No compressive strength
- dg** Low compressive strength
- dm** Medium compressive strength

other abbreviations

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