STEICO*floor*

Wood fibre installation system for floorboards



Installation system made of wood fibre for floating installation of solid wooden floors

- Excellent impact sound insulation
- With sound-decoupled fixing strip made of high strength laminated veneer lumber
- additional thermal insulation
- Independently tested and recommended by the German Institute for Building Biology Rosenheim
- Contributes to the regulation of indoor air moisture
- Wood from responsible forestry - PEFC certified

Application area

- floor insulation to support laminate or solid wooden floorboards

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	≤100 °C
Declared thermal conductivity	0.038 W/(m*K)
Density	~ 160 kg/m³
Water vapour diffusion resistance factor μ	5
Specific heat capacity	2,100 J/(kg*K)
Compressive strength at 10% compression δ_{10}	0.05 N/mm²
Compression strength	≥ 50 kPa
Tensile strength perpendicular to face	~ ≥ 2.5 kPa
Manufacturing process	wet process / utilisation of the wood's own lignin for panel bonding
Ingredients	wood fibre, bond between layers, aluminium sulphate
Declared level of airflow resistance	≥100 (kPa*s)/m²

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
55	0.40	11.28
60	1.55	0.30

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Bonded carbon

CO_2-storage

During growth, trees absorb carbon dioxide (CO_2) and split the molecule into carbon (C) and oxygen (O_2). The carbon is bound in the wood. The amount of bound carbon (C) is therefore also referred to as CO_2 equivalent (CO_2eq). As long as the wood is used in the form of wood products, the carbon remains bound and is removed from the atmosphere.

Biogenic carbon content in the product according to EN 15804+A2	approx. 285 kg CO_2eq/m³

Forms of delivery

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]
40	T+G	1200	380	1186	366	84	38.304	36.462
60	T+G	1200	380	1183	363	57	25.992	24.742

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
55	T+G	2000	50	10
55	T+G	2000	50	330

Weight and packing

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]
40	T+G	1200	380	6.40	2.8	1.55	3.4	18.3	260
60	T+G	1200	380	9.60	4.0	1.55	3.4	18.3	255

LVL-Battens

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Weight/m²[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
55	T+G	2000	50	3.02	1.51	0.1	0.2
55	T+G	2000	50	3.02	1.51	0.1	0.2

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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

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 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

Please refer to the processing instructions at the following link:
https://www.steico.com/eur/downloads/documents/technical-/-installation

Certificates and quality management

CE

PEFC
PEFC/04-31-2550
Promoting Sustainable Forest Management
www.pefc.org

Caption

other abbreviations

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

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Compliance

Responsible for content
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Liability disclaimer

The contents of this document have been compiled with the utmost care. However, applicable standards and regulations can change. STEICO accepts no liability for the accuracy, completeness and current applicability of the standards and regulations presented. Always check compliance with standards and regulations and the suitability of our products for the specific intended use, and make any necessary adjustments during installation.

STEICO accepts no responsibility for the completeness, accuracy or quality of information provided by third parties.

Regional document validity: EU*

***Additional Validity Information**

The contents of this document have been prepared in consideration of European product standards and provide a general overview of component structures, construction methods, and installation. Local applicable regulations have not been considered.

The most recent version of this document applies. This version can be found at:
www.steico.com/tds_steicofloor_eur_en