



- Ideal combination for heavy duty dry and wet screed
- Suitable for liquid screed systems
- Render carrying board for Lime and Clay plasters
- Excellent insulating properties
- Ecological, sustainable and recyclable

Application area



- Plasterable wood fibreboard for interior use on a full-surface wooden substrate
- Stable insulation material for floor structures

Fields of application according to DIN 4108 - 10: 2021

- DEO (dk, dg, dm, dh, ds)
- WI (zk, zg)

Technical data

Produced and supervised according to	EN 13171
Board designation	WF – EN 13171 – T5 – CS (10\Y)150 – TR10 – MU5
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. 250
Water vapour diffusion resistance factor μ	5
Specific heat capacity [J/(kg*K)]	2,100
Compressive strength at 10% compression δ_{10} [N/mm ²]	≥ 0.15
Compression strength [kPa]	≥ 150
Tensile strength perpendicular to face [kPa]	≥ 10
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)/m ²]	≥100
Bonded carbon [kg CO ₂ equivalent./m ³]	400

Additional technical data

Thickness [mm]	Declared thermal resistance [(m ² *K)/W]	s _d value [m]
20	0.40	0.10
40	0.80	0.20
60	1.25	0.30

Forms of delivery

Handy formats, e.g. for construction site assembly

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m ²]
20	SE	1150	595	112	76.636
40	SE	1150	595	56	38.318
60	SE	1150	595	36	24.633

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]
20	SE	1150	595	5.20	3.6	0.10	1.0	18.0	425
40	SE	1150	595	10.40	7.4	0.10	1.0	18.0	440
60	SE	1150	595	15.60	11.0	0.10	1.0	18.0	440

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

- 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

- Building moisture caused by e.g. fresh screed, plaster or paint must generally be removed by ventilation.
- Dry air must be ensured inside the building during the construction phase.
- Wood-fibre insulation boards are delivered dry. On building sites the final material moisture is attained via acclimatisation
- Before plastering ensure the moisture content of the Wood-fibre insulation boards is 13%.

Installation

- 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.

Installation in floor systems

- When laying on mineral substrates, a separating layer is recommended. This protects the STEICO*base* from rising residual moisture.
- Installation on full-surface substrate
- STEICO*base* must be laid in a bond. (min. offset 250 mm)
- Maintain edge distances (STEICO*soundstrip*)
- When used in combination with wet screed, a separating layer must be planned.
- The local fire protection requirements must be observed in the area of the chimney and heating systems. (Observe clearances)

Installation for plastering

- The STEICO*base* can only be used for the interior.
- The STEICO*base* is fixed to a full-surface wooden substrate (min. 15mm thick) with screws or staples.
- The distance between the wide back staples in the width should be approx. 300 mm. The distance between the staples in height should be approx. 150 mm.
- Furthermore, when stapling the boards, butt joints should also be fixed with staples.
- The spacing for screw fixing should be approx. 250 mm in width and height.
- The wood fibre board can then be coated with the first layer of reinforcing plaster.
- The reinforcing mesh is then smoothed into the second layer of plaster.
- The surface can then be left as it is or a finishing render can be applied.
- We recommend a lime or clay plaster for the interior.

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

Wall

WI Interior wall insulation

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

other abbreviations

pal. Pallet

T&G Tongue and Groove

pac. Packaging

approx. Approximately

SE square edge

Pcs. Pieces