



- Ideal for prefabricated elements
- Interior finishes (eg. gypsum boards) can be fixed through the insulation boards
- No service battens required
- Excellent combination with fermacell® and Rigips®
- Can also be used as render carrying board in internal areas
- Easy to install on the construction site
- Made out of natural wood fibre

### Application area



- Plasterable wood fibre insulation board with milled mounting level for electrical installations

### Technical data

Produced and supervised according to	EN 13171
Board designation	WF – EN13171 – T5 – CS(10V)100 – TR10 – MU3
Fire class (RTF) according to EN 13501-1	E
Permanent temperature range [°C]	≤100
Declared thermal conductivity [W/(m*K)]	0.040
Density [kg/m³]	approx. 140
Water vapour diffusion resistance factor $\mu$	3
Specific heat capacity [J/(kg*K)]	2,100
Compression strength [kPa]	≥100
Tensile strength perpendicular to face [kPa]	20
Manufacturing process	dry process / utilization polyurethane resin for panel bonding (approx. 5%)
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
Declared level of airflow resistance [(kPa*s)/m²]	≥100
Bonded carbon [kg CO <sub>2</sub> equivalent./m³]	200

### Additional technical data

Thickness [mm]	Declared thermal resistance [(m²*K)/W]	$s_d$ value [m]
50	1.25	0.15
60	1.50	0.18

### Forms of delivery

Convenient size for construction site installation, with void channels for electric installations

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m <sup>2</sup> ]
50	SE	2600	600	44	68.640

Large format for pre-fabricated production, with service void channels for electric installations

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m <sup>2</sup> ]
50	SE	2635	1200	22	69.564
60	SE	2650	1200	19	60.420

### Weight and packing

Convenient size for construction site installation, with void channels for electric installations

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Weight/m <sup>2</sup> [kg]	Weight/pcs. [kg]	pac./pal. paper/ cardboard (approx) [kg]	pac./pal. plastic (approx) [kg]	pac./pal. wood (approx) [kg]	Weight./pal. (approx.) [kg]
50	SE	2600	600	7.00	10.9	0.10	1.5	55.4	540

Large format for pre-fabricated production, with service void channels for electric installations

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Weight/m <sup>2</sup> [kg]	Weight/pcs. [kg]	pac./pal. paper/ cardboard (approx) [kg]	pac./pal. plastic (approx) [kg]	pac./pal. wood (approx) [kg]	Weight./pal. (approx.) [kg]
50	SE	2635	1200	7.00	22.1	4.00	1.8	57.8	555
60	SE	2650	1200	8.40	26.7	4.00	1.8	57.8	575

### 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 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

- Wood fibre insulation boards are delivered dry. On building sites a material moisture level is reached that allows immediate plaster coating
- The maximum moisture content of the full-surface substrate is  $u \leq 15 M\%$
- The relative air humidity should already correspond to the humidity during installation (50 % relative humidity  $\pm 20^\circ\text{C}$ )

## Processing

### Direct plastering

- The STEICO*install* can only be used for the interior.
- The STEICO*install* 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. 400-500 mm. The distance between the staples in height should be approx. 100 mm.
- Furthermore, the butt joints should also be fixed with staples when stapling.
- 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.

### Installation behind plasterboard

- First, the STEICO*install* is fixed into the load-bearing substrate with staples
- The plasterboard is screwed into the load-bearing substrate with screws. **Attention:** the wood fibre boards will not support plasterboard - screws must go through to substrate
- The spacing for screw fixing should be approx. 625 mm in width and 250 mm in height.
- The plaster boards are ready to accept plastering

### Additional information

- The milled channels of STEICO*install* face inwards towards the wall, not outwards towards the installer.
- 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

### other abbreviations

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