



### Render carrying wood fibre insulation board for ETICS in timber frame construction

- With tongue and groove for use in timber frame construction
- Can be combined with STEICO*secure* and many other render systems
- Diffusion-open to protect the construction
- With wood's own lignin as a binding agent
- When used as a wall construction panel in rear-ventilated façades, stiffening in accordance with German approval AbZ-9.1-826
- Wood from responsible forestry - PEFC certified

### Application area



- Wood fibre insulation board from the wet process with tongue and groove for ETICS in timber construction
- Suitable for air-injected insulation from a board thickness of 40 mm

### Technical data

Produced and supervised according to	EN 13171, EN 14964
Board designation	WF EN 13171 – T5 – DS(70/90)3 – CS (10\Y)150 –TR20(30) – WS1,0 – MU5
Fire class (RTF) according to EN 13501-1	E
Permanent temperature range [°C]	≤100
Declared thermal conductivity [W/(m*K)]	Type M: 0,046; Typ H: 0,048
Density [kg/m³] (approx.)	Type M: approx. 230; Typ H: approx. 265
Water vapour diffusion resistance factor $\mu$	5
Specific heat capacity [J/(kg*K)]	2,100
Compression strength [kPa]	Type M: 100; Type H: 150
Tensile strength perpendicular to face [kPa] (approx.)	20
Manufacturing process	wet process / utilisation of the wood's own lignin for panel bonding
Ingredients	wood fibre, aluminium sulphate, paraffin, bond between layers
Outdoor exposure [weeks]	4
Bonded carbon [kg CO <sub>2</sub> equivalent./m³] (approx.)	400 (Protect H) / 380 (Protect M)

### Additional technical data

Thickness [mm]	Type	Declared thermal resistance [(m²*K)/W]	s <sub>d</sub> value [m]
40	H	0.80	0.20
60	H	1.25	0.30
80	M	1.70	0.40
100	M	2.15	0.50

## Forms of delivery

Handy formats, e.g. for construction site assembly

Thickness [mm]	Type	Edge profile	Length [mm]	Width [mm]	Length net [mm]	Width net [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m <sup>2</sup> ]	Coverage/pal. net [m <sup>2</sup> ]
40	H	T+G	1325	600	1300	575	56	44.520	41.860
60	H	T+G	1325	600	1300	575	38	30.210	28.405
80	M	T+G	1325	600	1300	575	28	22.260	20.930
100	M	T+G	1325	600	1300	575	22	17.490	16.445

Large format panels for pre-fabricated production, type H stiffening in accordance with AbZ-9.1-826

Thickness [mm]	Type	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m <sup>2</sup> ]
40	H	SE	2800	1250	28	98.000
60	H	SE	2800	1250	19	66.500

## Weight and packing

Handy formats, e.g. for construction site assembly

Thickness [mm]	Type	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]
40	H	T+G	1325	600	10.60	7.9	2.50	1.1	30.7	480
60	H	T+G	1325	600	15.90	11.9	2.50	1.1	30.7	490
80	M	T+G	1325	600	18.40	13.8	2.50	1.1	30.7	425
100	M	T+G	1325	600	23.00	17.2	2.50	1.1	30.7	415

Large format panels for pre-fabricated production, type H stiffening in accordance with AbZ-9.1-826

Thickness [mm]	Type	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]
40	H	SE	2800	1250	10.60	37.1	0.10	1.5	61.9	1105
60	H	SE	2800	1250	15.90	55.7	0.10	1.5	61.9	1125

## 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: (protect H) 4 pallets / (Protect M) 3 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 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.
- In the event of prolonged damp weathering with driving rain, or in periods of very high humidity, the material moisture content of the wood fibre insulation boards that have not yet been plastered may increase significantly. Before plastering, a limit moisture content of the wood fiber insulation board of 13 % must be maintained.
- For renovations and new buildings made of mineral building materials a high core moisture content of the substrate must be avoided.

## Installation

### Installation as a plaster base board

- Please observe the processing instructions under the following link: <https://www.steico.com/int/technical/installation>

### Additional information

- STEICO *protect* with T&G has a water-repellent surface - can be used without additional weatherproof membranes behind rear-ventilated facades
- The maximum weight of the entire render system is 25kg
- Gluing clinker brick slips onto the plaster base board / plaster system is not permitted



## Certificates and quality management



☰ **Caption**

**other abbreviations**

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

**Responsible for content**

STEICO SE  
Otto-Lilienthal-Ring 30  
85622 Feldkirchen  
Germany  
Web: [www.steico.com](http://www.steico.com)  
Mail: [info@steico.com](mailto:info@steico.com)

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