



- Particularly robust and durable
- Excellent insulation properties in winter and summer
- Both water repellent and vapour permeable for robust constructions
- Large variety of formats and thicknesses from 40 to 240mm
- Suitable for air-injected insulation from 40mm thick
- Available in large format boards for off-site construction
- Extensive catalogue of construction details available
- Manufactured with fresh softwood - sustainable climate protection through CO2 storage

Application area



- Plaster base board for the wall area in timber construction

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)]	Typ M: 0,046; Typ H: 0,048
Density [kg/m³]	Typ M: approx. 230; Typ H: approx. 265
Water vapour diffusion resistance factor μ	5
Specific heat capacity [J/(kg*K)]	2,100
Compression strength [kPa]	Typ M: 100; Typ H: 150
Tensile strength perpendicular to face [kPa]	20
Manufacturing process	wet process / utilisation of the wood's own lignin for panel bonding
Ingredients	wood fibre, aluminium sulphate, paraffin, bond between layers
European Waste Code (EWC)	030105/170201, disposal as wood and wood-based materials, waste wood category A II
Outdoor exposure	4 weeks
Bonded carbon [kg CO ₂ equivalent./m³]	400 (Protect H) / 380 (Protect M)

Additional technical data

Thickness [mm]	Type	Declared thermal resistance [(m²*K)/W]	s _d 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 use and pre-fabricated production

Thickness [mm]	Type	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	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 ²]
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 use and pre-fabricated production

Thickness [mm]	Type	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	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 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	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

- 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.
- 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

Under <http://www.steico.com/en/technical-installation> or the enclosed QR code, you will find the processing instructions for this product under the category „processing instructions STEICO ETICS“.
(Installation instructions facade insulation)

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
- 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