


Wood fibre insulation board for internal masonry and timber frame insulation

- High building physics safety
- Can be combined with recommended Lime and Clay plasters
- Contributes to the regulation of indoor air moisture
- Independently tested and recommended by the German Institute for Building Biology Rosenheim
- Diffusion open and sorptive - natural moisture management to protect the construction
- Wood from responsible forestry - PEFC certified

Application area


- Interior insulation for mineral surfaces

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 [°C] | ≤100 |
| Declared thermal conductivity [W/(m*K)] | 0.038 |
| Density [kg/m³] (approx.) | 160 |
| Water vapour diffusion resistance factor μ | 5 |
| Specific heat capacity [J/(kg*K)] | 2,100 |
| Compressive strength at 10% compression δ_{10} [N/mm²] | 0.05 |
| Compression strength [kPa] | 50 |
| Tensile strength perpendicular to face [kPa] (approx.) | ≥ 2.5 |
| Manufacturing process | wet process / utilisation of the wood's own lignin for panel bonding |
| Ingredients | wood fibre, bond between layers |
| Bonded carbon [kg CO ₂ equivalent./m³] (approx.) | 270 |

Additional technical data

| Thickness [mm] | Declared thermal resistance [(m²*K)/W] | s _d value [m] |
|----------------|--|--------------------------|
| 40 | 1.05 | 0.20 |
| 60 | 1.55 | 0.30 |
| 80 | 2.10 | 0.40 |
| 100 | 2.60 | 0.50 |

Forms of delivery

Handy formats, e.g. for construction site assembly

| Thickness [mm] | 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 | T+G | 1200 | 380 | 1186 | 366 | 84 | 38.304 | 36.462 |
| 40 | SE | 1200 | 380 | 1200 | 380 | 84 | 38.304 | 38.304 |
| 60 | T+G | 1200 | 380 | 1183 | 363 | 57 | 25.992 | 24.742 |
| 60 | SE | 1200 | 380 | 1200 | 380 | 57 | 25.992 | 25.992 |
| 80 | SE | 1200 | 380 | 1200 | 380 | 42 | 19.152 | 19.152 |
| 100 | SE | 1200 | 380 | 1200 | 380 | 33 | 15.048 | 15.048 |

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] |
|----------------|--------------|-------------|------------|----------------------------|------------------|---|---------------------------------|------------------------------|-----------------------------|
| 40 | T+G | 1200 | 380 | 6.40 | 2.9 | 0.10 | 0.8 | 18.2 | 255 |
| 40 | SE | 1200 | 380 | 6.40 | 2.9 | 0.10 | 0.7 | 18.2 | 265 |
| 60 | T+G | 1200 | 380 | 9.60 | 4.0 | 4.00 | 0.8 | 18.2 | 255 |
| 60 | SE | 1200 | 380 | 9.60 | 4.4 | 3.75 | 0.7 | 18.2 | 275 |
| 80 | SE | 1200 | 380 | 12.80 | 5.8 | 0.10 | 0.7 | 18.2 | 265 |
| 100 | SE | 1200 | 380 | 16.00 | 7.3 | 0.10 | 0.7 | 18.2 | 265 |

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 the STEICO *isoflex cut combi* cutting table or a band saw, circular saw, jigsaw and other wood-cutting tools.

Occupational health and safety

- HSE guidance on the safe cutting of timber and the management of wood dust should be followed

Building moisture

- Excess moisture caused by e.g. fresh screed, plaster, or paint must be removed by ventilation.
- Dry air must be provided inside the building during the construction phase.
- Wood fibre insulation boards are delivered dry. On building sites a material moisture level is reached that permits immediate plaster coating.
- Before plastering, a moisture content limit of 13% must be maintained in the wood fibre boards.
- For renovations and new buildings made of mineral building materials a high core moisture content of the substrate must be avoided.
- All types of external moisture sources (e.g. rising humidity) must be excluded or, if necessary, eliminated by specialists.

Installation

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

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 UK Ltd
Unit 3 Eden Brae Business Park, Dunstable Road
Caddington LU1 4FF
Great Britain
Web: www.steico.com
Mail: info@steico.com

Version: 1

Date: 2025-05-12

The contents of this document have been prepared with the utmost care. However, applicable regulations can change. STEICO accepts no liability for the accuracy, completeness, or current applicability of the content. Application areas may vary in the detailing. Always verify the suitability of our products for the specific intended use.

This document is valid in the following countries:
United Kingdom, Republic of Ireland

The currently valid version can be found at: www.steico.com/tds_steicointernal_gbr-irl_en