



Flexible wood fibre insulation batt for insulation between frames with λ_D 0.036

- Very good insulating properties in winter and also in summer
- Forms well to surrounding components
- Very good retention ability
- Independently tested and recommended by the German Institute for Building Biology Rosenheim
- Diffusion-open for increased structural safety
- Wood from responsible forestry - PEFC certified

Application area



- Flexible insulation for roof wall and ceiling constructions

Technical data

Produced and supervised according to	DIN EN 13171
Board designation	WF – EN 13171 – T3 – TR1 – AFR5 – MU 2
Fire class (RTF) according to EN 13501-1	E
Permanent temperature range [°C]	≤100
Declared thermal conductivity [W/(m*K)]	0.036
Density [kg/m³] (approx.)	50
Water vapour diffusion resistance factor μ	2
Specific heat capacity [J/(kg*K)]	2,100
Ingredients	Wood fibres, polyolefin fibres, ammonium sulfate
Declared level of airflow resistance [(kPa*s)/m²]	≥5
Bonded carbon [kg CO ₂ equivalent./m³] (approx.)	73

Additional technical data

Thickness [mm]	Declared thermal resistance [(m ² *K)/W]	s _d value [m]
18	0.50	0.04
25	0.70	0.05
30	0.80	0.06
40	1.10	0.08
50	1.35	0.10
60	1.65	0.12
80	2.20	0.16
100	2.75	0.20
120	3.30	0.24
140	3.85	0.28
160	4.40	0.32
180	5.00	0.36
200	5.55	0.40
220	6.10	0.44
240	6.65	0.48

Forms of delivery

Handy formats (rectangles)

Thickness [mm]	Length [mm]	Width [mm]	Number/package [pcs.]	Number/pal. [pcs.]	Coverage/pal. gross [m ²]
18	1220	575	30	160	168.360
25	1220	575	23	120	129.076
30	1220	575	16	160	112.240
40	1220	575	10	120	84.180
50	1220	575	9	90	63.135
60	1220	575	8	80	56.120
80	1220	575	6	60	42.090
100	1220	575	4	48	33.672
120	1220	575	4	40	28.060
140	1220	575	4	32	22.448
160	1220	575	3	30	21.045
180	1220	575	3	24	16.836
200	1220	575	2	24	16.836
220	1220	575	2	20	14.030
240	1220	575	2	20	14.030

Weight and packing

Handy formats (rectangles)

Thickness [mm]	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]
18	1220	575	0.90	0.6	0.24	2.1	9.9	160
25	1220	575	1.25	0.9	0.32	2.8	13.5	185
30	1220	575	1.50	1.1	0.31	3.0	13.3	195
40	1220	575	2.00	1.4	0.32	3.2	13.3	190
50	1220	575	2.50	1.8	0.32	3.0	13.3	185
60	1220	575	3.00	2.1	0.31	3.0	13.3	185
80	1220	575	4.00	2.8	0.31	3.0	13.3	190
100	1220	575	5.00	3.5	0.32	3.2	13.3	185
120	1220	575	6.00	4.2	0.31	3.0	13.3	190
140	1220	575	7.00	4.9	0.31	2.8	13.3	175
160	1220	575	8.00	5.6	0.31	3.0	13.3	190
180	1220	575	9.00	6.4	0.31	2.7	13.3	175
200	1220	575	10.00	7.0	0.32	3.2	13.3	190
220	1220	575	11.00	7.7	0.31	2.9	13.3	175
240	1220	575	12.00	8.4	0.31	3.0	13.3	190

Notes

Storage

- Store wood fibre insulation boards in a dry place and protect from weathering.
- Do not remove the transport packaging until the pallet is on a firm, level surface.
- Store and transport insulation packages horizontally without high loads.
- Keep pallet inserts and package stickers for your construction site documentation.

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 panels are easy to cut with a sharp insulation knife, a reciprocating saw, a jigsaw, or an electric saw with two serrated blades running in opposite directions.
- For frequent insulation work, we recommend using the STEICO*soflex cut combi* cutting table.

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 fiber 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 provided inside the building during the construction phase.

Installation

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

Additional information:

- This document is based on the German technical data sheet with European standards and regulations. The data sheet is intended to provide general information in an international context. National regulations and building regulations must also be observed.



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
Mail: info@steico.com

Version: 3**Date: 2025-11-24**

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.

The contents of this document have been prepared in consideration of European product standards and provide a general overview of component structures, construction methods, and installation. Local applicable regulations have not been considered. Before using our products, please verify that the applicable regulations for the specific area of use are followed.

The currently valid version can be found at: www.steico.com/tds_steicoflex036_eur_en