



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
- Wood from responsible forestry - PEFC certified

Application area



- Flexible insulation for roof wall and ceiling constructions

Technical data

Produced and supervised according to	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]
40	1.10	0.08
50	1.35	0.10
60	1.65	0.12
80	2.20	0.16
90	2.50	0.18
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]
40	1190	375	10	180	80.325
40	1190	575	10	120	82.110
50	1190	375	9	135	60.244
50	1190	575	9	90	61.583
60	1190	375	8	120	53.550
60	1190	575	8	80	54.740
80	1190	375	6	90	40.163
80	1190	575	6	60	41.055
90	1190	375	5	75	33.469
90	1190	575	5	60	34.213
100	1190	375	4	72	32.130
100	1190	575	4	48	32.844
120	1190	375	4	60	26.775
120	1190	575	4	40	27.370
140	1190	375	4	48	21.420
140	1190	575	4	32	21.896
160	1190	575	3	30	20.528
180	1190	575	3	24	16.422
200	1190	575	2	24	16.422
220	1190	575	2	20	13.685
240	1190	575	2	20	13.685

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]
40	1190	375	2.00	0.9	0.34	3.5	18.5	190
40	1190	575	2.00	1.4	0.32	3.2	14.4	190
50	1190	375	2.50	1.1	0.33	3.3	15.6	170
50	1190	575	2.50	1.7	0.31	3.0	14.4	220
60	1190	375	3.00	1.3	0.32	3.4	14.4	180
60	1190	575	3.00	2.1	0.31	3.0	14.4	185
80	1190	375	4.00	1.8	0.33	3.8	14.4	185
80	1190	575	4.00	2.7	0.31	3.0	14.4	185
90	1190	375	4.50	2.0	0.32	3.8	14.4	170
90	1190	575	4.50	3.0	0.30	3.0	14.4	200
100	1190	375	5.00	2.2	0.33	3.5	14.4	180
100	1190	575	5.00	3.4	0.32	3.2	14.4	185
120	1190	375	6.00	2.7	0.32	3.4	14.4	185
120	1190	575	6.00	4.1	0.32	3.0	14.4	185
140	1190	375	7.00	3.1	0.32	3.1	14.4	170
140	1190	575	7.00	4.8	0.31	2.8	14.4	175
160	1190	575	8.00	5.5	0.31	3.0	14.4	185
180	1190	575	9.00	6.2	0.31	2.7	14.4	170
200	1190	575	10.00	6.9	0.31	3.2	14.4	185
220	1190	575	11.00	7.5	0.31	2.8	14.4	170
240	1190	575	12.00	8.2	0.31	2.8	14.4	185

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 *isoflex cut combi* cutting table.

Occupational health and safety

- Suitable protective measures must be taken when cutting the wood fibre insulation boards. (dust extraction, dust mask)
- HSE guidance on the safe cutting of timber and the management of wood dust should be followed

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/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

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United Kingdom, Republic of Ireland

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