STEICO*flex 036*

Flexible thermal insulation from wood fibre



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	EN 13171
Board designation	WF – EN 13171 – T3 – TR1 – AFr5 – MU 2
Fire class (RTF) according to EN 13501-1	E
Permanent temperature range	≤100 °C
Declared thermal conductivity	0.036 W/(m*K)
Density	~ 50 kg/m³
Water vapour diffusion resistance factor μ	2
Specific heat capacity	2,100 J/(kg*K)
Ingredients	Wood fibres, polyolefin fibres, ammonium sulfate
Declared level of airflow resistance	≥5 (kPa*s)/m²

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Additional technical data

Thickness [mm]	Declared thermal resistance [(m²*K)/W]	s_d value [m]
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

Bonded carbon

CO_2-storage

During growth, trees absorb carbon dioxide (CO_2) and split the molecule into carbon (C) and oxygen (O_2). The carbon is bound in the wood. The amount of bound carbon (C) is therefore also referred to as CO_2 equivalent (CO_2eq). As long as the wood is used in the form of wood products, the carbon remains bound and is removed from the atmosphere.

Biogenic carbon content in the product according to EN 15804+A2	approx. 82 kg CO_2eq/m³

Forms of delivery

Handy formats (rectangles)

Thickness [mm]	Length [mm]	Width [mm]	Number/package [pcs.]	Number/pal. [pcs.]	Coverage/pal. gross [m²]
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

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Weight and packing

Handy formats (rectangles)

Thickness [mm]	Length [mm]	Width [mm]	Weight/m²[kg]	Weight/pcs. [kg]	pac./pal. paper/ cardboard (approx) [kg]	pac./pal. plastic (approx) [kg]	pac./pal. wood (approx) [kg]	Weight./pal. (approx.) [kg]
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*isoflex 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.

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Installation

- Please observe the processing instructions under the following link: https://www.steico.com/eur/downloads/documents/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

EUR Europe

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Compliance

Responsible for content
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Liability disclaimer

The contents of this document have been compiled with the utmost care. However, applicable standards and regulations can change. STEICO accepts no liability for the accuracy, completeness and current applicability of the standards and regulations presented. Always check compliance with standards and regulations and the suitability of our products for the specific intended use, and make any necessary adjustments during installation.

STEICO accepts no responsibility for the completeness, accuracy or quality of information provided by third parties.

Regional document validity: EU*

***Additional Validity Information**

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.

The most recent version of this document applies. This version can be found at:
www.steico.com/tds_steicoflex036_eur_en