STEICO flex 036

Flexible thermal insulation from wood fibre

Flexible wood fibre insulation batt for insulation between frames with λD 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 [°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

STEICO flex 036

Flexible thermal insulation from wood fibre

Additional technical data

Thickness [mm]	Declared thermal resistance [(m²*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	2.20	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]	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m²]
40	SE	1190	375	180	80.325
40	SE	1190	575	120	82.110
50	SE	1190	375	135	60.244
50	SE	1190	575	90	61.583
60	SE	1190	375	120	53.550
60	SE	1190	575	80	54.740
80	SE	1190	375	90	40.163
80	SE	1190	575	60	41.055
90	SE	1190	375	75	33.469
90	SE	1190	575	60	34.213
100	SE	1190	375	72	32.130
100	SE	1190	575	48	32.844
120	SE	1190	375	60	26.775
120	SE	1190	575	40	27.370
140	SE	1190	375	48	21.420
140	SE	1190	575	32	21.896
160	SE	1190	575	30	20.528
180	SE	1190	575	24	16.422
200	SE	1190	575	24	16.422
220	SE	1190	575	20	13.685
240	SE	1190	575	20	13.685

STEICO flex 036

Flexible thermal insulation from wood fibre

Weight and packing

Handy formats (rectangles)

Thickness [mm]	Edge profile	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]
40	SE	1190	375	2.00	0.9	0.30	3.2	13.3	185
40	SE	1190	575	2.00	1.4	0.30	3.2	13.3	190
50	SE	1190	375	2.50	1.1	0.30	3.0	13.3	170
50	SE	1190	575	2.50	1.7	0.30	3.0	13.3	220
60	SE	1190	375	3.00	1.3	0.30	3.0	13.3	145
60	SE	1190	575	3.00	2.1	0.30	3.0	13.3	185
80	SE	1190	375	4.00	1.8	0.30	3.0	13.3	185
80	SE	1190	575	4.00	2.7	0.30	3.0	13.3	185
90	SE	1190	375	4.50	2.0	0.30	2.8	13.3	170
90	SE	1190	575	4.50	3.0	0.30	2.8	13.3	200
100	SE	1190	375	5.00	2.2	0.30	3.2	13.3	180
100	SE	1190	575	5.00	3.4	0.30	3.2	13.3	185
120	SE	1190	375	6.00	2.7	0.30	3.0	13.3	185
120	SE	1190	575	6.00	4.1	0.30	3.0	13.3	185
140	SE	1190	375	7.00	3.1	0.30	2.8	13.3	170
140	SE	1190	575	7.00	4.8	0.30	2.8	13.3	175
160	SE	1190	575	8.00	5.5	0.30	3.0	13.3	185
180	SE	1190	575	9.00	6.2	0.30	2.7	13.3	170
200	SE	1190	575	10.00	6.9	0.30	3.2	13.3	185
220	SE	1190	575	11.00	7.5	0.30	2.8	13.3	170
240	SE	1190	575	12.00	8.2	0.30	2.8	13.3	185

STEICO *flex 036*

Flexible thermal insulation from wood fibre

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

STEICO flex 036

Flexible thermal insulation from wood fibre

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

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_steicoflex036_gbr-irl_en