

STEICO *flex 036*
flexible thermal insulation from wood



- Excellent insulation properties in winter
- Excellent heat protection in summer
- Vapour permeable for a healthy internal environment
- Manufactured with fresh softwood - sustainable climate protection through CO₂ storage
- Friction fits to adjoining components
- supports an environmentally friendly living internal environment of the building
- Ecological and environmentally-friendly, fully recyclable

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/m ³]	approx. 50
Water vapour diffusion resistance factor μ	2
Specific heat capacity [J/(kg*K)]	2,100
Ingredients	Wood fibres, polyolefin fibres, ammonium sulfate
European Waste Code (EWC)	030105/170201, Waste disposal like timber or timber products
Declared level of airflow resistance [(kPa*s)/m ²]	≥5
Bonded carbon [kg CO ₂ equivalent./m ³]	73

Additional technical data

Thickness [mm]	Declared thermal resistance [(m ² *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

Forms of delivery

Handy formats (rectangles)

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m ²]
30	SE	1220	575	160	112.240
40	SE	1220	575	120	84.180
50	SE	1220	575	90	63.135
60	SE	1220	575	80	56.120
80	SE	1220	575	60	42.090
100	SE	1220	575	48	33.672
120	SE	1220	575	40	28.060
140	SE	1220	575	32	22.448
160	SE	1220	575	30	21.045
180	SE	1220	575	24	16.836
200	SE	1220	575	24	16.836
220	SE	1220	575	20	14.030
240	SE	1220	575	20	14.030

Weight and packing

Handy formats (rectangles)

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]
30	SE	1220	575	1.50	1.1	0.30	3.0	13.3	195
40	SE	1220	575	2.00	1.4	0.30	3.2	13.3	190
50	SE	1220	575	2.50	1.8	0.30	3.0	13.3	185
60	SE	1220	575	3.00	2.1	0.30	3.0	13.3	185
80	SE	1220	575	4.00	2.8	0.30	3.0	13.3	190
100	SE	1220	575	5.00	3.5	0.30	3.2	13.3	185
120	SE	1220	575	6.00	4.2	0.30	3.0	13.3	190
140	SE	1220	575	7.00	4.9	0.30	2.8	13.3	175
160	SE	1220	575	8.00	5.6	0.30	3.0	13.3	190
180	SE	1220	575	9.00	6.4	0.30	2.7	13.3	175
200	SE	1220	575	10.00	7.0	0.30	3.2	13.3	190
220	SE	1220	575	11.00	7.7	0.30	2.9	13.3	175
240	SE	1220	575	12.00	8.4	0.30	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

- Disposal of offcuts: Waste code (EWC / AVV) 170201/030105, disposal as wood and wood-based materials, waste wood category II
- Disposal after dismantling: Waste code (EWC / AVV) 170201/030105, disposal as wood and wood-based materials, waste wood category II

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

- Dust is produced when cutting and processing the flexible wood fibre insulation mat STEICO*flex*.
- If STEICO*flex* is processed overhead, a standard dust mask & eye protection should be worn.
- Dust extraction systems must be used in accordance with local regulations
- The provisions of TRGS 553 must also be observed.

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.
- Additional measures through the installation of drying equipment are recommended.

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Installation

- This document is based on the German technical data sheet and is intended for general information purposes in an international context. National regulations and building codes must be additionally observed.
- Under <http://www.steico.com/technical-installation> or the enclosed QR code, you will find the processing instructions for this product under the category „Processing instructions STEICO sarking / insulation boards and insulation“.
- (STEICO*flex 036/038* Handling instructions)



Certificates and quality management



☰ Caption

other abbreviations

- pal.** Pallet
- T&G** Tongue and Groove
- pac.** Packaging
- approx.** Approximately
- SE** square edge
- Pcs.** Pieces