

**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 CO<sub>2</sub> 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

**Fields of application according to DIN 4108 - 10: 2021**

- DZ
- DI (zk)
- WH
- WI (zk)
- WTR

**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 <sup>3</sup> ]	approx. 50
Water vapour diffusion resistance factor $\mu$	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 <sup>2</sup> ]	≥5
Bonded carbon [kg CO <sub>2</sub> equivalent./m <sup>3</sup> ]	73

**Additional technical data**

Thickness [mm]	Declared thermal resistance [(m <sup>2</sup> *K)/W]	s <sub>d</sub> value [m]
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

**Forms of delivery**

**Handy formats (rectangles)**

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m <sup>2</sup> ]
40	SE	1190	575	120	82.110
50	SE	1190	575	90	61.583
60	SE	1190	575	80	54.740
80	SE	1190	575	60	41.055
100	SE	1190	575	48	32.844
120	SE	1190	575	40	27.370
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

**Handy formats (rectangles)**

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m <sup>2</sup> ]
40	SE	1190	375	180	80.325
50	SE	1190	375	135	60.244
60	SE	1190	375	120	53.550
80	SE	1190	375	90	40.163
100	SE	1190	375	72	32.130
120	SE	1190	375	60	26.775
140	SE	1190	375	48	21.420

**Weight and packing**

Handy formats (rectangles)

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Weight/m <sup>2</sup> [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	575	2.00	1.4	0.30	3.2	13.3	190
50	SE	1190	575	2.50	1.7	0.30	3.0	13.3	220
60	SE	1190	575	3.00	2.1	0.30	3.0	13.3	185
80	SE	1190	575	4.00	2.7	0.30	3.0	13.3	185
100	SE	1190	575	5.00	3.4	0.30	3.2	13.3	185
120	SE	1190	575	6.00	4.1	0.30	3.0	13.3	185
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

Handy formats (rectangles)

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Weight/m <sup>2</sup> [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
50	SE	1190	375	2.50	1.1	0.30	3.0	13.3	170
60	SE	1190	375	3.00	1.3	0.30	3.0	13.3	145
80	SE	1190	375	4.00	1.8	0.30	3.0	13.3	185
100	SE	1190	375	5.00	2.2	0.30	3.2	13.3	180
120	SE	1190	375	6.00	2.7	0.30	3.0	13.3	185
140	SE	1190	375	7.00	3.1	0.30	2.8	13.3	170

## 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.

## 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**

**Fields of application**

**Ceiling, Roof**

**DZ** Insulation between rafters, insulation of wooden ceilings, insulation of upper floor slabs

**DI** Internal insulation of the ceiling (from below) or of the roof, insulation under rafters/supporting structure, suspended ceiling, and so on

**Wall**

**WH** nfilling insulation of walls in wooden framework and timber frame constructions

**WTR** Insulation of partition walls

**WI** Interior wall insulation

**Differentiation of certain product features:**

**Tensile strength**

**zk** No requirements for tensile strength

**other abbreviations**

**pal.** Pallet

**T&G** Tongue and Groove

**pac.** Packaging

**approx.** Approximately

**SE** square edge

**Pcs.** Pieces