

STEICO *flex 038*

flexible thermal insulation from wood



- Flexible thermal insulation
- Easy handling and classified as non-irritant to skin
- Good compression strength
- Friction fits to adjoining components
- Excellent insulation properties in winter and summer
- Water vapour open for a healthy room environment
- Helps to regulate the indoor climate
- Provides a green architectural solution
- 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)]	0.038
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
European Waste Code (EWC)	030105/170201, Waste disposal like timber or timber products
Declared level of airflow resistance [(kPa*s)/m²]	≥5
Bonded carbon [kg CO ₂ equivalent./m³]	73

Additional technical data

Thickness [mm]	Declared thermal resistance [(m²*K)/W]	s_d value [m]
40	1.05	0.08
60	1.55	0.12
80	2.10	0.16

Forms of delivery

Handy formats (rectangles) for drywall construction

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m ²]
40	SE	1200	625	120	90.000
60	SE	1200	625	80	60.000
80	SE	1200	625	60	45.000

Weight and packing

Handy formats (rectangles) for drywall construction

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]
40	SE	1200	625	2.00	1.5	0.30	3.0	18.3	205
60	SE	1200	625	3.00	2.3	0.30	3.0	18.3	210
80	SE	1200	625	4.00	3.0	0.30	3.0	18.3	205

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, 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

- Excess moisture caused by e.g. fresh screed, plaster, or paint must 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