



#### Flexible wood fibre insulation batt for insulation between frames with $\lambda D$ 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	DIN 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 $\boldsymbol{\mu}$	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 <sub>2</sub> equivalent./m³] (approx.)	73					



Additional technical data						
Thickness [mm]	Declared thermal resistance [(m <sup>2</sup> *K)/W]	s <sub>d</sub> value [m]				
18	0.50	0.04				
25	0.70	0.05				
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 [m²]
18	SE	1220	575	160	168.360
25	SE	1220	575	120	129.076
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/m² [kg]	Weight/pcs. [kg]	pac./pal. paper/ cardboard (approx) [kg]	pac./pal. plastic (ap- prox) [kg]	pac./pal. wood (ap- prox) [kg]	Weight./pal. (approx.) [kg]
18	SE	1220	575	0.90	0.6	0.30	3.0	13.3	170
25	SE	1220	575	1.25	0.9	0.30	3.0	13.3	190
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
- 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*isof-lex 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)
- 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.



### Installation

 $\bullet \ \, \text{Please observe the processing instructions under the following link:} \ \underline{\text{https://www.steico.com/int/technical/installation}}$ 

### Additional information:

• This document is based on the German technical data sheet with European standards and regulations. The data sheet is intended to provide general information in an international context. National regulations and building regulations must also be observed.



# Certificates and quality management







## **!≡** Caption

#### other abbreviations

pal. Pallet

**T&G** Tongue and Groove

pac. Packaging

approx. Approximately

**SE** square edge

Pcs. Pieces

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