



### Insulating sarking and sheathing board with laminated membrane for increased weather protection in new builds and renovations

- Sarking and sheathing board for increased rain protection, for flat pitched roofs or behind brickwork facades
- Can be used from 40 mm board thickness in conjunction with STEICO air-injected insulation
- Optimised for use on low-pitch roofs
- Also ideal for renovation projects thanks to high board thicknesses and very good insulation performance
- Diffusion-open for increased structural safety
- Wood from sustainable forestry - PEFC certified

### Application area



- Rigid underlay board for the roof area
- Wall construction panel for timber construction in combination with ventilated rainscreen facades
- Soffit panel for the roof area from  $\geq 5^\circ$  (Tile roofing from  $\geq 10^\circ$ )

### Technical data

Produced and supervised according to	EN 13171
Board designation	Board thickness 40 mm: WF – EN 13171 – T5 – CS(10\Y) 200 – TR30 – WS1,0; Board thickness 60 - 80 mm: WF – EN 13171 – T5 – CS(10\Y) 100 – TR10 – WS1,0;
Fire class (RTF) according to EN 13501-1	E
Permanent temperature range [°C]	$\leq 100$
Declared thermal conductivity [W/(m*K)]	0,043 (40 mm) / 0,040 (60-80 mm)
Density [kg/m <sup>3</sup> ] (approx.)	210 (40 mm) / 140 (60-80 mm)
Short-term water absorption [kg/m <sup>2</sup> ]	$\leq 1.0$
Specific heat capacity [J/(kg*K)]	2,100
Compressive strength at 10% compression $\delta_{10}$ [N/mm <sup>2</sup> ]	0.2 (40 mm) / 0.1 (60-80 mm)
Compression strength [kPa]	200 (40 mm) / 100 (60-80 mm)
Manufacturing process	dry process / Utilisation polyurethane resin for panel bonding
Permissible roof pitch without additional measures [°]	$\geq 5$
Maximum undercutting of the standard roof pitch [°]	12
Ingredients	Wood fibre, PUR resin, paraffin, diffusion-open bottom cover membrane 3-ply protected on both sides with PP fleece, seam bonding acrylic dispersion, solvent-free
Processing temperature [°C]	$\geq +5$
Resistance to water penetration	W1
Outdoor exposure [weeks]	8
Bonded carbon [kg CO <sub>2</sub> equivalent./m <sup>3</sup> ] (approx.)	260 (safe 40mm) / 200 (safe 60-80)

## Additional technical data

Thickness [mm]	Declared thermal resistance [(m <sup>2</sup> *K)/W]	s <sub>d</sub> value [m]
40	0.90	0.36
60	1.50	0.36
80	2.00	0.48

## Forms of delivery

### Handy formats, e.g. for construction site assembly

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Length net [mm]	Width net [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m <sup>2</sup> ]	Coverage/pal. net [m <sup>2</sup> ]
40	T+G	1880	600	1855	575	56	63.168	59.730
60	T+G	1880	600	1855	575	36	40.608	38.399
80	T+G	1880	600	1855	575	28	31.584	29.866

## Weight and packing

### Handy formats, e.g. for construction site assembly

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	T+G	1880	600	7.20	7.7	4.40	1.1	25.5	470
60	T+G	1880	600	8.40	9.0	4.40	1.1	25.5	360
80	T+G	1880	600	11.20	11.9	4.40	1.1	25.5	370

## Notes

### Storage

- Store wood fibre boards horizontally, flat and dry
- Protect edges from damage
- Only remove the film packaging when the ambient climate is dry and keep the pallet packing label
- Maximum stacking height: 4 pallets 40mm / 3 pallets 60-100mm / 2 pallets ≥ 120 mm

### 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 can be cut to size using a band saw, circular saw, jigsaw and other wood-cutting tools.
- To prevent the laminated water-bearing sheet from tearing out, cut on the non-covered side of the panel

### Occupational health and safety

- STEICO wood fibre boards can be walked on directly above a rafter or joist support, however they cannot be used as the primary walking surface
- To ensure that the roof can be walked on at all times, it is advisable to lay the battens at the same time.
- Additional fall protection (man safe systems) should be used in line with national guidelines
- 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

- Condensation on the side of the panel facing the room during the construction phase disrupts (hinders) the diffusion flow.
- Building moisture caused by fresh screed, plaster or paint, for example, must generally be removed by ventilation.
- Dry air must be ensured inside the building during the construction phase.

## Installation

### Installation in roof and wall areas

- Please observe the processing instructions under the following link: <https://www.steico.com/en/technical/installation>

### Additional information

- The suitability of further superstructures and installations such as the roof cladding, solar and PV elements as well as roof windows must be checked by the contractor independently.



## Certificates and quality management



☰ **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](http://www.steico.com)  
Mail: [info@steico.com](mailto:info@steico.com)

**Version: 2**

**Date: 2025-07-07**

The contents of this document have been prepared with the utmost care. However, applicable regulations can change. STEICO accepts no liability for the accuracy, completeness, or current applicability of the content. Application areas may vary in the detailing. Always verify the suitability of our products for the specific intended use.

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\\_steicosafe\\_gbr-irl\\_en](http://www.steico.com/tds_steicosafe_gbr-irl_en)