

Environmentally friendly insulation system made from natural wood fibres



# Steico safe

## Insulated sarking board with integrated membrane for extra protection



### Areas of application

Above roof rafter  
External walls

- Sarking & sheathing board for increased rain protection for flat pitched roofs.
- Can be installed behind brickwork facades
- 3-fold function: heat/cold protection, rain protection, wind protection
- Diffusion-open for increased structural safety



## Packaging & Sizes

Thickness (mm)	Size [mm]	Cover. dim (mm)	Edge profile	Declared thermal resistance [(m <sup>2</sup> *K)/W]	sd value [m]	Pcs / pallet	Gross area / pallet [m <sup>2</sup> ]	Net area / pallet [m <sup>2</sup> ]	Weight kg / m <sup>2</sup>	Weight / pal. [kg]
40*	2230 * 600	2205 * 575	T&G	0.90	0.36	56	74.928	71.001	7.20	535
60*	2230 * 600	2205 * 575	T&G	1.5	0.36	36	45.644	45.644	8.40	410
80*	2230 * 600	2205 * 575	T&G	2.0	0.48	28	35.501	35.501	11.20	425
100*	2230 * 600	2205 * 575	T&G	2.5	0.60	22	29.436	27.893	14.0	415

\* Indicates special order size. Three months lead time. Pallet size: ca. 2.25 \* 1.20 \* 1.22 m.. Thicknesses of 100mm - 240mm also available.

The STEICOsafe boards feature an overlap of the laminated layer on four sides. The overlap is 10 cm and is secured with a 10 cm wide adhesive strip.

## Technical Data

<b>Produced and supervised according to</b>	EN 13171	<b>Compressive strength at 10% compression <math>\delta_{10}</math> [N/mm<sup>2</sup>]</b>	0.2 (40 mm) / 0.1 (60-80 mm) / 0,05 (120-240 mm) N/mm <sup>2</sup>
<b>Board designation</b>	40 mm: WF - EN 13171 - T5 - CS(10\Y) 200 - TR30 - WS1,0; / 60 - 80 mm: WF - EN 13171 - T5 - CS(10\Y) 100 - TR10 - WS1,0 / 120 - 240 mm: WF - EN 13171 - T5 - CS(10\Y) 50 - TR10 - WS1,0	<b>Compression strength [kPa]</b>	200 (40 mm) / 100 (60-100 mm) / 50 (120-240 mm)
<b>Fire class (RTF) according to EN 13501-1</b>	E	<b>Tensile strength perpendicular to face [kPa] (approx.)</b>	≥ 25
<b>Permanent temperature range [°C]</b>	≤ 100	<b>Declared level of airflow resistance [(kPa*s)/m<sup>2</sup>]</b>	≥ 100
<b>Declared thermal conductivity [W/(m*K)]</b>	0.043 (40 mm) / 0.04 (60-80 mm)	<b>Ingredients</b>	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
<b>Density [kg/m<sup>3</sup>] (approx.)</b>	210 (40 mm) / 140 (60-80 mm) / 110 (120-240 mm)	<b>Manufacturing process</b>	dry process / utilisation of polyurethane resin for panel bonding
<b>Water vapour diffusion resistance factor <math>\mu</math></b>	3	<b>Waste code (EAK/AVV)</b>	2014/955
<b>Short-term water absorption [kg/m<sup>2</sup>]</b>	≤ 1.0	<b>Outdoor exposure [weeks]</b>	8
<b>Specific heat capacity [J/(kg*K)]</b>	2,100	<b>Bonded Carbon [kg CO<sub>2</sub> equivalent/m<sup>3</sup>] (approx.)</b>	260 (40mm) / 200 (60-80mm) / 160 (120-240mm)

## Notes

### Storage

- Store wood fibre boards horizontally, flat and dry
- Protect edges from damage
- Maximum stacking height: 4 pallets

### Cutting

- The boards can be cut to size using typical woodworking tools.
- To prevent the laminated water-bearing sheet from tearing out, cut on the non-covered side of the panel

### 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



Scan for Installation Guide

### Occupational health and safety

- Additional fall protection (man safe systems) should be used in line with national guidelines
- HSE guidance on the safe cutting of timber and the management of wood dust should be followed

### Building moisture

- Dry air must be ensured inside the building during the construction phase
- 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.

