



- High compression strength
- High heat protection
- Excellent insulation qualities
- Ideal combination for high load bearing dry and wet screed
- Suitable for liquid screed systems
- Ecological and environmentally friendly and recyclable like natural wood

### Application area



- For floor constructions, packaging and many other areas of application

### Technical data

Produced and supervised according to	EN 13986
Board designation	EN 622-4 SB – E1
Fire class (RTF) according to EN 13501-1	E
Permanent temperature range [°C]	≤100
Thermal conductivity λD according to DIN EN 13986 [W/(m*K)]	0.050
Rated value thermal conductivity (according to EN ISO 10456, Table 3) [W/(m*K)]	0.070
Density [kg/m³]	approx. 230
Water vapour diffusion resistance factor μ	5
Specific heat capacity [J/(kg*K)]	2,100
Compressive strength at 10% compression δ <sub>10</sub> [N/mm²]	≥0.10
Compression strength [kPa]	≥100
Manufacturing process	wet process / utilisation of the wood's own lignin for panel bonding
Ingredients	Wood fibre
European Waste Code (EWC)	030105/170201, disposal as wood and wood-based materials, waste wood category A II
Bonded carbon [kg CO <sub>2</sub> equivalent./m³]	380

**Additional technical data**

Thickness [mm]	Declared thermal resistance [(m <sup>2</sup> *K)/W]	s <sub>d</sub> value [m]
8	0.15	0.40
10	0.20	0.50
12	0.20	0.60
15	0.30	0.75
19	0.35	0.95

**Forms of delivery**

**Formats for versatile use**

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m <sup>2</sup> ]
8	SE	2250	1180	135	358.425
10	SE	2250	1180	110	292.050
12	SE	2250	1180	90	238.950
15	SE	2250	1180	75	199.125
19	SE	2250	1180	59	156.645

**Formats for versatile use**

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m <sup>2</sup> ]
8	SE	2440	1220	135	401.868
10	SE	2440	1220	110	327.448
12	SE	2440	1220	90	267.912
15	SE	2440	1220	73	217.306
19	SE	2440	1220	58	172.654

### Weight and packing

#### Formats for versatile use

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]
8	SE	2250	1180	1.80	4.8	0.10	1.6	25.2	680
10	SE	2250	1180	2.30	6.1	0.10	1.6	25.2	705
12	SE	2250	1180	2.80	7.4	0.10	1.6	25.2	700
15	SE	2250	1180	3.50	9.3	0.10	1.6	25.2	730
19	SE	2250	1180	4.40	11.7	0.10	1.6	25.2	720

#### Formats for versatile use

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]
8	SE	2440	1220	1.80	5.2	0.10	1.6	25.2	735
10	SE	2440	1220	2.30	6.8	0.10	1.6	25.2	780
12	SE	2440	1220	2.80	8.3	0.10	1.6	25.2	780
15	SE	2440	1220	3.50	10.4	0.10	1.6	25.2	790
19	SE	2440	1220	4.40	13.1	0.10	1.6	25.2	790

### 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

#### 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 boards can be cut to size using a band saw, circular saw, jigsaw and other wood-cutting tools.

#### Occupational health and safety

- Comply with local regulations for the processing of wood-fibre material.
- Suitable protective measures must be taken when cutting the wood fibre insulation boards. (dust extraction, dust mask)

#### Building moisture

- Excess moisture caused by e.g. fresh screed, plaster, or paint must be removed by ventilation
- Dry air must be ensured inside the building during the construction phase.

### Installation

- When laying on mineral substrates in the floor area, a separating layer is recommended. This protects the STEICO*isorel* from rising residual moisture.
  - Installation on full-surface substrate
  - STEICO*isorel* must be laid in a bond. (min. offset 250 mm)
  - Observe edge distances (STEICO*soundstrip*)
  - For use under a wet screed, a separating layer is required
  - The local fire protection requirements must be observed in areas of chimney and heating systems. (Observe clearances)
- 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.

### Certificates and quality management



### ☰ Caption

#### other abbreviations

- pal.** Pallet
- T&G** Tongue and Groove
- pac.** Packaging
- approx.** Approximately
- SE** square edge
- Pcs.** Pieces