



- 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 ₁₀ [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 ₂ equivalent./m³]	380

Additional technical data

Thickness [mm]	Declared thermal resistance [(m ² *K)/W]	s _d 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 ²]
8	SE	1200	1000	138	165.600
10	SE	1350	600	228	184.680
10	SE	2500	1200	114	342.000
12	SE	2500	1200	95	285.000
15	SE	2500	1200	76	228.000
19	SE	1350	600	120	97.200
19	SE	2500	1200	60	180.000

Weight and packing

Formats for versatile use

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]
8	SE	1200	1000	1.80	2.2	0.10	1.0	16.2	325
10	SE	1350	600	2.30	1.9	0.10	1.1	20.3	460
10	SE	2500	1200	2.20	6.9	0.10	1.6	25.2	815
12	SE	2500	1200	2.80	8.3	0.10	1.6	25.2	820
15	SE	2500	1200	3.50	10.4	0.10	1.6	25.2	820
19	SE	1350	600	4.40	3.5	0.10	1.1	20.3	450
19	SE	2500	1200	4.40	13.1	0.10	1.6	25.2	815

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