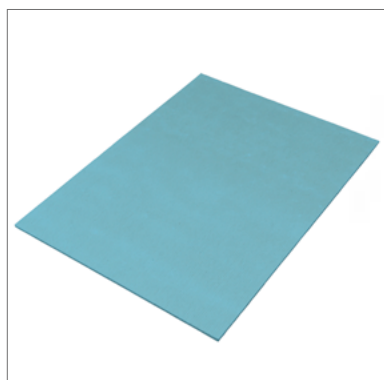


# STEICO *EcoSilent Premium*

underlay with maximum functionality



- Excellent protection from falling objects
- Insulates cold floors
- Achieves a flat floor surface
- Compressive strength up to 20to/m<sup>2</sup> – protection for click-systems
- Quick and easy to work with – handy packaging
- Contributes to a healthy internal environment

## Application area



Impact sound insulation for heavily used floor coverings

## Technical data

Produced and supervised according to	EN 13986
Fire class (RTF) according to EN 13501-1	E fl
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/m <sup>3</sup> ]	approx. 285
Water vapour diffusion resistance factor μ	5
Compression strength [kPa]	≥ 200
Manufacturing process	wet process / utilisation of the wood's own lignin for panel bonding
Ingredients	wood fibre, aluminium sulphate, kaolin, dye
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./m <sup>3</sup> ]	400
IS <sub>LAM</sub> / Impact sound reduction [dB]	21
DL <sub>25</sub> / Dynamic load resistance	> 150.000
PC / Point compensation capacity [mm]	3
CC / Compressive creep resistance [kPa]	> 50
RLB / Resistance to impact by large diameter ball [mm]	>150.000

## Additional technical data

Thickness [mm]	Declared thermal resistance [(m <sup>2</sup> *K)/W]	s <sub>a</sub> value [m]
7	0.10	0.04

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## Forms of delivery

Handy formats, e.g. for construction site assembly

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]	Number/pack. [pcs.]	Coverage/pal. gross [m <sup>2</sup> ]
7	SE	790	590	330	15	153.813

## 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]
7	SE	790	590	2.00	0.9	0.60	1.8	12.5	320

## 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 airtight membrane can be cut to size using a sharp knife with a stable ruler

### Occupational health and safety

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

### Building moisture

- Building moisture caused by e.g. fresh screed, plaster or paint must generally be removed by ventilation.
- Drying times for the various elements must be observed.
- Dry air must be ensured inside the building during the construction phase.
- STEICO *EcoSilent Premium* is used in rooms with normal moisture loads. The use in areas with increased moisture load must be clarified in individual cases.
- If the STEICO product becomes damp during storage, it must be dried before processing.

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## Installation

### Processing in floor systems

- Before laying wood-fibre boards, they must be acclimatised in closed packaging for 48 hours.
  - When laying on mineral substrates, a separating layer is recommended. This protects the STEICO *EcoSilent Premium* from rising residual moisture.
  - Installation on full-surface substrate
  - STEICO *Ecosilent premium* must be laid in a bond pattern.
  - Maintain edge distances (STEICO *soundstrip*)
  - The local fire protection requirements must be observed in the area of the 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.

### EPLF / MMFA

- Fulfills the minimum requirement of the EPLF
- Fulfills the minimum requirement of the MMFA sub-layer group 1
- Fulfills the increased requirements of the MMFA's sub-layer group 1
- Fulfills the minimum requirements of MMFA sub-group 2

## Certificates and quality management



## ☰ Caption

### other abbreviations

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