



Pressure resistant underlay for laminate and parquet flooring

- Excellent impact sound insulation and improvement of room acoustic of up to 19dB
- Excellent compressive strength of 15t/m² - protects against joint breakages on click systems
- Levelling uneven spots in the unfinished floor - easier floor installation
- Independently tested and recommended by the German Institute for Building Biology Rosenheim
- Quick and easy to lay
- Wood from responsible forestry - PEFC certified

Application area



- underlay for laminate and finished parquet floors

Technical data

Produced and supervised according to	EN 13986, EN 622-4
Board designation	EN 622 - 4 SB - E1
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 ³] (approx.)	250
Water vapour diffusion resistance factor μ	5
Compression strength [kPa]	≥ 150
Manufacturing process	wet process / utilisation of the wood's own lignin for panel bonding
Ingredients	wood fibre, aluminium sulphate, dye
Bonded carbon [kg CO ₂ equivalent./m ³] (approx.)	400
IS _{LAM} / Impact sound reduction [dB]	19
DL ₂₅ / Dynamic load resistance	≥ 150.000
PC / Point compensation capacity [mm]	(3mm = 1) (4mm = 1,6) (5mm = 2) (7mm = 2,9)
CC / Compressive creep resistance [kPa]	≥ 50
RLB / Resistance to impact by large diameter ball [mm]	(3mm) > 800 (4mm) > 800 (5mm) > 800 (7mm) > 900

Additional technical data

Thickness [mm]	Declared thermal resistance [(m ² *K)/W]	s _d value [m]
5	0.07	0.03
7	0.10	0.04

Forms of delivery

Delivery in handy packages

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m ²]
5	SE	790	570	900	405.270
7	SE	790	570	660	297.198

Weight and packing

Delivery in handy packages

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]
5	SE	790	570	1.30	0.6	0.05	1.4	12.6	560
7	SE	790	570	1.80	0.8	0.05	1.4	12.6	545

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

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

Occupational health and safety

- HSE guidance on the safe cutting of timber and the management of wood dust should be followed
- We recommend the use of work gloves

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.
- The underlay 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.

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 wood fibreboard from rising residual moisture.
- Installation on full-surface substrate
- The product must be laid in a bond pattern
- We recommend STEICO*soundstrip* as edge insulation strips for rising building components.
- The local fire protection requirements must be observed in the area of the chimney and heating systems. (Observe clearances)

EPLF / MMFA

- Fulfils the minimum requirements of the EPLF
- Fulfils the minimum requirements of the MMFA's sub-layer group 1
- Fulfils the increased requirements of MMFA sub-layer group 1
- Does not fulfil the minimum requirements for underlay group 2 of the MMFA
- Not suitable as a carpet pad for design and vinyl floors



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

Mail: info@steico.com

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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_steicoecosilent_gbr-irl_en