technical data sheet

STEICO*therm SD*

Wood fibre impact sound insulation board



Classified wood fibre impact sound insulation board for the combination of dry and wet screeds

- Low dynamic stiffness
- High compressive strength for combination of dry and wet screeds
- With wood's own lignin as a binding agent
- 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

- Impact sound and thermal insulation board under dry and wet screed systems

Technical data

Produced and supervised according to	EN 13171
Board designation	20 mm: WF – EN 13171 – T7 – SD50 – CP2; 30 mm: WF – EN 13171 – T7 – SD30 – CP2
Fire class (RTF) according to EN 13501-1	E
Permanent temperature range	≤100 °C
Declared thermal conductivity	0.038 W/(m*K)
Density	~ 150 kg/m³
Water vapour diffusion resistance factor μ	5
Specific heat capacity	2,100 J/(kg*K)
Dynamic stiffness	50 (20mm) / 30 (30mm) MN/m³
Manufacturing process	wet process / utilisation of the wood's own lignin for panel bonding
Ingredients	Wood fibre, bond between layers, aluminium sulphate
Declared level of airflow resistance	≥100 (kPa*s)/m²
Compressibility with payload ≤ 5 kPa	≤ 2, CP2 mm

Additional technical data

Thickness [mm]	Declared thermal resistance [(m²*K)/W]	s_d value [m]
20	0.50	0.10
30	0.75	0.15

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Bonded carbon

CO_2-storage

During growth, trees absorb carbon dioxide (CO_2) and split the molecule into carbon (C) and oxygen (O_2). The carbon is bound in the wood. The amount of bound carbon (C) is therefore also referred to as CO_2 equivalent (CO_2eq). As long as the wood is used in the form of wood products, the carbon remains bound and is removed from the atmosphere.

Biogenic carbon content in the product according to EN 15804+A2	approx. 279 kg CO_2eq/m³

Forms of delivery

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m²]
20	SE	1350	600	116	93.960
30	SE	1350	600	74	59.940

Weight and packing

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Weight/m² [kg]	Weight/pcs. [kg]	pac./pal. paper/ cardboard (approx) [kg]	pac./pal. plastic (approx) [kg]	pac./pal. wood (approx) [kg]	Weight./pal. (approx.) [kg]
20	SE	1350	600	3.20	2.6	0.05	1.0	20.2	325
30	SE	1350	600	4.80	3.9	0.05	1.0	20.2	315

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
- Maximum stacking height: 2 pallets

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

Occupational health and safety

- HSE guidance on the safe cutting of timber and the management of wood dust should be followed

Building moisture

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

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Installation

Processing in floor systems

- 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. (min. offset 250 mm)
- We recommend STEICO*soundstrip* as edge insulation strips for rising building components.
- When used in combination with wet screed, a separating layer must be planned.
- The local fire protection requirements must be observed in the area of the chimney and heating systems. (Observe clearances)

Certificates and quality management

CE

PEFC
PEFC/04-31-2550
Promoting Sustainable Forest Management
www.pefc.org

Caption

other abbreviations

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

IRL Ireland
GBR Great Britain

STEICO*therm SD*

Wood fibre impact sound insulation board

Compliance

Responsible for content

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Liability disclaimer

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STEICO accepts no responsibility for the completeness, accuracy or quality of information provided by third parties.

STEICO products are intended for specification and installation by suitably qualified and experienced construction professionals in accordance with applicable building regulations and industry standards. Installation must be carried out in line with STEICO technical guidance, relevant European Technical Assessment (ETA) requirements, local building regulations, and all applicable statutory legislation in the country of use.

Regional document validity: GBR, IRL

***Additional Validity Information**

The contents of this document have been prepared in consideration of European product standards and provide a general overview of component structures, construction methods, and installation. Local applicable regulations have not been considered.

The most recent version of this document applies. This version can be found at:
www.steico.com/tds_steicothermsd_gbr-irl_en