STEICO base

Compression resistant wood fibre insulation board

Multi purpose wood fibre insulation board with very high compression strength

- Insulation board and height levelling board under screed systems
- Render carrying board for Clay and Lime plasters in internal construction
- High compression strength ≥150 kPa
- Contributes to the regulation of indoor air moisture
- Diffusion open for increased structural safety
- Wood from responsible forestry - PEFC certified

Application area

- Wood fibre board for floor constructions under wet and dry screed systems
- Pressure-resistant plaster base board on full-surface wooden substrates (≥ 15 mm) indoors
- Can be used as a single layer up to 40 mm under click parquet and click laminate ≥ 10 mm

Technical data

Produced and supervised according to	EN 13171
Board designation	WF – EN 13171 – T5 – CS (10\Y)150 – TR10 – MU5
Fire class (RTF) according to EN 13501-1	E
Permanent temperature range [°C]	≤100
Declared thermal conductivity [W/(m*K)]	0.048
Density [kg/m³] (approx.)	250
Water vapour diffusion resistance factor μ	5
Specific heat capacity [J/(kg*K)]	2,100
Compressive strength at 10% compression δ_{10} [N/mm²]	≥ 0.15
Compression strength [kPa]	≥ 150
Tensile strength perpendicular to face [kPa] (approx.)	≥ 10
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 [(kPa*s)/m²]	≥100
Bonded carbon [kg CO_2 equivalent./m³] (approx.)	400

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Additional technical data

Thickness [mm]	Declared thermal resistance [(m²*K)/W]	s_d value [m]
20	0.40	0.10
40	0.80	0.20
60	1.25	0.30

Forms of delivery

Handy formats for flat surfaces

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m²]
20	SE	1150	595	112	76.636
40	SE	1150	595	56	38.318
60	SE	1150	595	36	24.633

Weight and packing

Handy formats for flat surfaces

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	1150	595	5.20	3.6	0.05	0.7	20.4	430
40	SE	1150	595	10.40	7.4	0.05	0.7	20.4	440
60	SE	1150	595	15.60	11.0	0.05	0.7	20.4	425

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: 4 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

- Building moisture caused by e.g. fresh screed, plaster or paint must generally be removed by ventilation.
- Dry air must be ensured inside the building during the construction phase.
- Wood fibre insulation boards are delivered dry. On building sites the final material moisture is attained via acclimatisation
- Before plastering ensure the moisture content of the Wood-fibre insulation boards is 13%.

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Installation

Installation 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)

Installation for plastering

- The STEICO*base* can only be used for the interior.
- The STEICO*base* is fixed to a full-surface wooden substrate (min. 15mm thick) with screws or staples.
- The distance between the wide back staples in the width should be approx. 300 mm. The distance between the staples in height should be approx. 150 mm.
- Furthermore, when stapling the boards, butt joints should also be fixed with staples.
- The spacing for screw fixing should be approx. 250 mm in width and height.
- The wood fibre board can then be coated with the first layer of reinforcing plaster.
- The reinforcing mesh is then smoothed into the second layer of plaster.
- The surface can then be left as it is or a finishing render can be applied.
- We recommend a lime or clay plaster for the interior.

Certificates and quality management

CE

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

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Caption

other abbreviations

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

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The currently valid version can be found at: www.steico.com/tds_steicobase_gbr-irl_en