

Environmentally friendly insulation system made from natural wood fibres



Steico Floor

Wood fiber installation system for the floating installation of solid wood plank floors



Areas of application

Timber Floors
Concrete Floors

- Excellent impact sound reduction & improves room acoustics
- Excellent thermal insulation properties
- High sorption capacity contributes to a balanced indoor climate
- Ecological, sustainable and recyclable like natural wood



Packaging & Sizes

Thickness (mm)	Size [mm]	Cover. dim (mm)	Edge profile	Pieces / pallet	Gross area / pallet [m²]	Net area / pallet [m²]	Weight kg / m²	Weight / pal. [kg]
Insulation Boards								
40	1200 * 380	1186 * 366	T&G	84	38.304	36.462	6.4	260
Timber Battens T&G (1.3 battens per m2 of insulation board)								
35	50 * 2000	-	T&G	-	-	-	-	-

Steico Floor System – Sold by the Sqm / Internal pallet size: ca. 1.25 * 1.20 * 1.27 m. / Steico Timber Battens pallet size: ca. 2.0m * 0.80m * 0.40 m.

R-Values

Thickness (mm)	Declared thermal resistance [(m²*K)/W]	sd value [m]
40	1.05	0.20

Technical Data

Produced and supervised according to	EN 13171	Compressive strength at 10% compression $\delta 10$ [N/nm²]	0.05
Board designation	WF – EN 13171 – T4 – CS(10 \Y)50 – TR2.5 – AF r 100	Compression strength [kPa]	50
Fire class (RTF) according to EN 13501-1	E	Tensile strength perpendicular to face [kPa] (approx.)	≥ 2.5
Permanent temperature range [°C]	≤ 100	Declared level of airflow resistance [(kPa*s)/m²]	≥ 100
Declared thermal conductivity [W/(m*K)]	0.038	Ingredients	Wood fibre, bond between layers, aluminum sulfate
Density [kg/m³] (approx.)	160	Manufacturing process	wet process / utilisation of the wood's own lignin for panel bonding
Water vapour diffusion resistance factor μ	5	Waste code (EAK/AVV)	17 02 01
Specific heat capacity [J/(kg*K)]	2,100	Bonded Carbon [kg CO ₂ equivalent/m³] (approx.)	270

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

Cutting

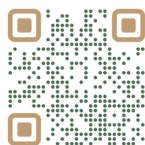
- The boards can be cut to size using typical woodworking tools.

Building moisture

- Condensation on the side of the panel facing the room during the construction phase disrupts (hinders) the diffusion flow.
- Building moisture caused by fresh screed, plaster or paint, for example, must generally be removed by ventilation.
- Dry air must be ensured inside the building during the construction phase.

Processing

- Steico Floor is suitable for rooms with normal humidity levels. Rooms with increased humidity should be assessed case by case
- When installing on mineral substrates, a separating layer is recommended to protect from rising residual moisture



Scan for Installation Guide

