

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 [m <sup>2</sup> ]	Net area / pallet [m <sup>2</sup> ]	Weight kg / m <sup>2</sup>	Weight / pal. [kg]
Insulation Boards								
40	1200 * 380	1186 * 366	T&G	84	38.304	36.462	6.4	260
60	1200 * 380	1186 * 366	T&G	57	25.992	24.742	6.4	260
Timber Battens T&G ( 1.3 battens per m2 of insulation board)								
35	50 * 2000	-	T&G		-	-	-	-
55	50 * 2000	-	T&G					

Pallet size: ca. 2.25 \* 1.20 \* 1.22 m.

R-Values		
Thickness (mm)	Declared thermal resistance [(m <sup>2</sup> *K)/W]	sd value [m]
40	1.05	0.20
60	1.55	0.30

Technical Data			
Produced and supervised according to	EN 13171	Compressive strength at 10% compression $\delta_{10}$ [N/nm <sup>2</sup> ]	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)/m <sup>2</sup> ]	≥ 100
Declared thermal conductivity [W/(m*K)]	0.038	Ingredients	Wood fibre, bond between layers, aluminum sulfate
Density [kg/m <sup>3</sup> ] (approx.)	160	Manufacturing process	wet process / utilisation of the wood's own lignin for panel bonding
Water vapour diffusion resistance factor $\mu$	5	Waste code (EAK/AVV)	17 02 01
Specific heat capacity [J/(kg*K)]	2,100	Bonded Carbon [kg CO <sub>2</sub> equivalent/m <sup>3</sup> ] (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

