Technical Data Sheet

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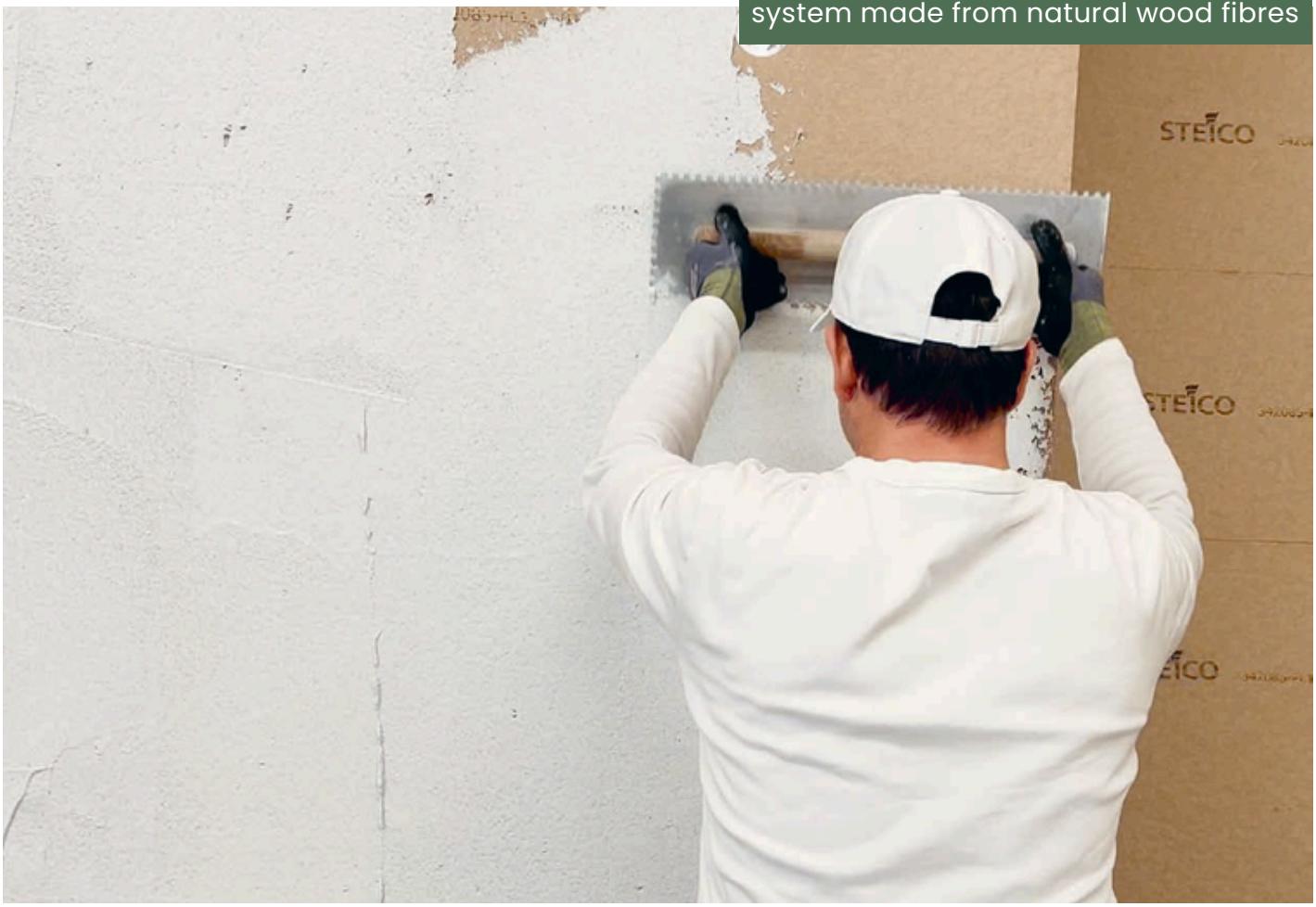
Steico **Internal**

Environmentally friendly insulation system made from natural wood fibres



Steico **Internal**

Wood fibre insulation board for internal masonry and timber frame insulation

Areas of application

Interior insulation
for timber frames
and mineral surfaces

- High building physics safety
- Can be combined with recommended Lime and Clay plasters
- Contributes to the regulation of indoor air moisture
- Diffusion open and sorptive - natural moisture management to protect the construction

STEICO
Strategic Distribution Partner

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Packaging & Sizes

Thickness (mm)	Size [mm]	Cover. dim (mm)	Edge profile	Pieces / pallet	m² / pallet	Coverage per pallet [net m²]	Weight kg / m²	Weight / pal. [kg]
40	1200 * 380	1186 * 366	Tongue & Groove	84	38.304	36.462	6.40	~ 255
60*	1200 * 380	1186 * 366	Tongue & Groove	57	25.992	24.742	9.60	~ 255

Pallet size: ca. 1.5 * 1.20 * 1.29 m. | * Indicates special order size. Three months lead time.

R-Values

Thickness (mm)	Declared thermal resistance [(m²*K)/W]	sd value [m]
40	1.05	0.20
60	1.55	0.30

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Produced and supervised according to	EN 13171	**Specific heat capacity [J/(kg*K)]**	2,100
Board designation	WF – EN 13171 – T4 – CS(10\Y)50 – TR2,5 – AFr 100	**Compressive strength at 10% compression δ10 [N/nm²]**	0.05
Fire class (RTF) according to EN 13501-1	E	**Compression strength [kPa]**	≥ 50
Permanent temperature range [°C]	≤ 100	**Tensile strength perpendicular to face [kPa] (approx.)**	≥ 2.5
Declared thermal conductivity [W/(m*K)]	0.038	**Ingredients**	wood fibre, bond between layers, aluminium sulphate
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	**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.

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 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.
- Before plastering, a moisture content limit of 13% must be maintained in the wood fibre boards.
- For renovations and new buildings made of mineral building mate- rials a high core moisture content of the substrate must be avoided.
- All types of external moisture sources (e.g. rising humidity) must be must be excluded or, if necessary, eliminated by specialists.

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Scan for Installation Guide