

Environmentally friendly insulation system made from natural wood fibres



Steico **Special Dry**

Rigid high-performance insulating & sarking board with thickness up to 200mm



Areas of application

Above roof rafter
External walls
Floors

- 4-fold functionality; insulation, wind tightness, weatherproofing, render board
- Low thermal conductivity, excellent cold protection
- Summer Heat protection / Reduces thermal bridging
- Water vapour open for healthy constructions
- May be left exposed for up to 4 weeks during construction



Packaging & Sizes

Thickness (mm)	Size [mm]	Cover. dim (mm)	Edge profile	Declared thermal resistance / [(m ² *K)/W]	sd value	Pieces / pallet	m ² / pallet	Coverage per pallet	Weight kg / m ²	Weight / pal. [kg]
60	2230 * 600	2205 * 575	T&G	1.5	0.18	36	48.168	45.644	8.40	~ 425
80	2230 * 600	2205 * 575	T&G	2.0	0.24	28	37.464	35.501	11.20	~ 435
100*	2230 * 600	2205 * 575	T&G	2.5	0.30	22	29.436	27.893	14.00	~ 430
120*	1880 * 600	1855 * 575	T&G	3.0	0.36	18	20.304	19.199	16.80	~ 350
140*	1880 * 600	1855 * 575	T&G	3.5	0.42	16	18.048	17.006	19.60	~ 360
160*	1880 * 600	1855 * 575	T&G	4.0	0.48	14	15.792	14.933	22.40	~ 360
180*	1880 * 600	1855 * 575	T&G	4.5	0.54	12	13.536	12.800	25.20	~ 350
200*	1880 * 600	1855 * 575	T&G	5.0	0.60	12	13.536	12.800	28.00	~ 395

60mm - 100mm boards Pallet size: ca. 2.25 * 1.20 * 1.24 m 120mm - 200mm boards Pallet size: ca. 1.90 * 1.20 * 1.24 m * Three months lead time.

Technical Data

Produced and supervised according to	EN 13171, EN 14964	Compressive strength at 10% compression $\delta 10$ [N/nm²]	0.10
Board designation	WF - EN 13171 - T5 - DS(70,-)2 - CS(10 \ Y)100 - TR20-WS1,0 - MU3, EN-14964-IL	Compression strength [kPa]	≥ 100
Fire class (RTF) according to EN 13501-1	E	Tensile strength perpendicular to face [kPa] (approx.)	≥ 20
Permanent temperature range [°C]	≤ 100	Declared level of airflow resistance [(kPa*s)/m²]	≥ 100
Declared thermal conductivity [W/(m*K)]	0.040	Ingredients	wood fibres, polyurethane resin, paraffin wax
Density [kg/m³] (approx.)	140	Manufacturing process	dry process / utilisation of polyurethane resin for panel bonding
Water vapour diffusion resistance factor μ	3	Waste code (EAK/AVV) 2014/955/EU: 030105/170201	Disposable like wood and engineered wood products
Short-term water absorption [kg/m²]	≤ 1.0	Outdoor exposure [weeks]	4
Specific heat capacity [J/(kg*K)]	2,100	Bonded Carbon [kg CO₂ equivalent/m³] (approx.)	200

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

Cutting

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

Additional information

- The maximum allowable weight of the entire render system is 25kg/m² • Gluing brick slips onto the plaster base board / plaster system is not permitted
- STEICUniversal dry with T&G has a water-repellent surface - may be used without additional weatherproof membranes behind rear-ventilated façades

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.

Occupational health and safety

- Wood fibre boards can be walked on directly above a rafter or joist support. They cannot be used as the primary walking surface
- To ensure that the roof can be walked on at all times, it is advisable to lay the battens at the same time.
- Additional fall protection (man safe systems) should be used in line with national guidelines
- HSE guidance on the safe cutting of timber and the management of wood dust should be followed



Scan for Installation Guide

