

Environmentally friendly insulation system made from natural wood fibres



## Steico Universal Dry

### Combined insulating and sarking render board



#### Areas of application

Above roof rafter  
External walls  
Floors

- 4-fold function: heat/cold protection, rain protection, wind protection, render board
- Instant weather protection due to T&G profile
- Reduces thermal bridging
- May be left exposed for up to 4 weeks during construction



## Packaging & Sizes

Thickness (mm)	Size [mm]	Cover. dim (mm)	Edge profile	Pieces / pallet	m <sup>2</sup> / pallet	Coverage per pallet	Weight kg / m <sup>2</sup>	Weight / pal. [kg]
40	2230 * 600	2205 * 575	Tongue & Groove	56	74.928	71.001	7.20	~ 550

Pallet size: ca. 2.25 \* 1.20 \* 1.24 m

## R-Values

Thickness (mm)	Declared thermal resistance [(m <sup>2</sup> *K)/W]	sd value [m]
40	0.90	0.12

## Technical Data

Produced and supervised according to	EN 13171, EN 14964	Compressive strength at 10% compression $\delta_{10}$ [N/nm <sup>2</sup> ]	0.20
Board designation	WF – EN 13171 – T5 – DS (70,-) 2 – CS (10 \ Y)200 – TR30 – WS1,0 – MU3, EN-14964-IL	Compression strength [kPa]	200
Fire class (RTF) according to EN 13501-1	E	Tensile strength perpendicular to face [kPa] (approx.)	≥ 30
Permanent temperature range [°C]	≤ 100	Declared level of airflow resistance [(kPa*s)/m <sup>2</sup> ]	≥ 100
Declared thermal conductivity [W/(m*K)]	0.043	Ingredients	wood fibres, polyurethane resin, paraffin wax
Density [kg/m <sup>3</sup> ] (approx.)	180	Manufacturing process	dry process / utilisation of polyurethane resin for panel bonding
Water vapour diffusion resistance factor $\mu$	3	Waste code (EAK/AVV) 2014/955/EU: 030105/170201	Disposable like wood and engineered wood products
Short-term water absorption [kg/m <sup>2</sup> ]	≤ 1.0	Outdoor exposure [weeks]	4
Specific heat capacity [J/(kg*K)]	2,100	Bonded Carbon [kg CO <sub>2</sub> equivalent/m <sup>3</sup> ] (approx.)	260

## 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

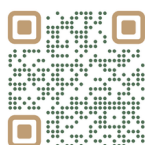
- The maximum allowable weight of the entire render system is 25kg/m<sup>2</sup> • Gluing brick slips onto the plaster base board / plaster system is not permitted
- STEICO universal dry with T&G has a water-repellent surface - may be used without additional weatherproof membranes behind rear-ventilated 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

