



Render carrying wood fibre insulation board for ETICS on flat wood and mineral substrates

- Handy formats with a square edge - ideal for masonry and solid wood walls
- Can be combined with STEICO*secure* and many other render systems
- Diffusion-open to protect the construction - excellent building physics supplement for masonry and wooden substrates
- Naturally reduces the formation of algae and moss on the façade
- Robust and durable
- Wood from responsible forestry - PEFC certified

Application area



- (STEICO*Protect L dry* / 037) External insulation for full-surface mineral and timber substrates to accept direct render'

Technical data

Produced and supervised according to	EN 13171, EN 14964
Board designation	WF - EN 13171 - T5 - DS(70,90)3 - CS(10\Y)50 - TR10 - WS1,0 - MU3;
Fire class (RTF) according to EN 13501-1	E
Permanent temperature range [°C]	≤100
Declared thermal conductivity [W/(m*K)]	0,037
Density [kg/m³] (approx.)	110
Water vapour diffusion resistance factor μ	3
Specific heat capacity [J/(kg*K)]	2,100
Compression strength [kPa]	50
Tensile strength perpendicular to face [kPa] (approx.)	10
Manufacturing process	dry process / utilization polyurethane resin for panel bonding
Ingredients	wood fibre, polyurethane resin, paraffin wax
Outdoor exposure [weeks]	4
Bonded carbon [kg CO ₂ equivalent./m³] (approx.)	160

Additional technical data

Thickness [mm]	Type	Declared thermal resistance [(m ² *K)/W]	s _d value [m]
80	L dry	2.15	0.24
100	L dry	2.70	0.30
120	L dry	3.20	0.36
140	L dry	3.75	0.42
160	L dry	4.30	0.48
180	L dry	4.85	0.54
200	L dry	5.40	0.60
220	L dry	5.90	0.66
240	L dry	6.45	0.72
260	L dry	7.00	0.78
280	L dry	7.65	0.84
300	L dry	8.10	0.90

Forms of delivery

Handy formats, especially for flat and solid undergrounds

Thickness [mm]	Type	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m ²]
80	L dry	SE	600	400	56	13.400
100	L dry	SE	1200	400	22	10.560
120	L dry	SE	1200	400	18	8.640
140	L dry	SE	600	400	32	7.680
140	L dry	SE	1200	400	16	7.680
160	L dry	SE	600	400	28	6.720
160	L dry	SE	1200	400	14	6.720
180	L dry	SE	600	400	24	5.760
180	L dry	SE	1200	400	12	5.760
200	L dry	SE	600	400	24	5.760
200	L dry	SE	1200	400	12	5.760
220	L dry	SE	1200	400	10	4.800
240	L dry	SE	1200	400	10	4.800
260	L dry	SE	600	400	16	3.840
280	L dry	SE	600	400	16	3.840
300	L dry	SE	600	400	12	2.880

Weight and packing

Handy formats, especially for flat and solid undergrounds

Thickness [mm]	Type	Edge profile	Length [mm]	Width [mm]	Weight/ m ² [kg]	Weight/pcs. [kg]	pac./pal. paper/ cardboard (approx) [kg]	pac./pal. plastic (approx) [kg]	pac./pal. wood (approx) [kg]	Weight./ pal. (approx.) [kg]
80	L dry	SE	600	400	8.80	2.1	0.01	0.7	16.0	140
100	L dry	SE	1200	400	11.00	5.3	0.05	0.7	16.2	135
120	L dry	SE	1200	400	13.20	6.3	0.05	0.7	16.2	135
140	L dry	SE	600	400	15.40	3.7	0.01	0.7	16.0	140
140	L dry	SE	1200	400	15.40	7.4	0.05	0.7	16.1	140
160	L dry	SE	600	400	17.60	4.2	0.01	0.7	16.0	140
160	L dry	SE	1200	400	17.60	8.4	0.05	0.7	16.2	140
180	L dry	SE	600	400	19.80	4.8	0.01	0.7	16.0	135
180	L dry	SE	1200	400	19.80	9.5	0.05	0.7	16.1	135
200	L dry	SE	600	400	22.00	5.3	0.01	0.7	16.0	150
200	L dry	SE	1200	400	22.00	10.6	0.05	0.7	16.2	150
220	L dry	SE	1200	400	24.20	11.6	0.05	0.7	15.8	135
240	L dry	SE	1200	400	26.40	12.7	0.05	0.7	16.2	150
260	L dry	SE	600	400	28.60	6.9	0.01	0.7	16.0	130
280	L dry	SE	600	400	30.80	7.4	0.01	0.7	16.0	140
300	L dry	SE	600	400	33.00	7.9	0.01	0.7	16.0	120

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

Disposal

Waste cuttings:

- Waste code according to 2014/955/EU: 03 01 05

Dismantling:

- Waste code according to 2014/955/EU: 17 02 01

Cutting

- The boards can be cut to size using the STEICO *isoflex cut combi* cutting table, band saw, circular saw, jigsaw and other wood-cutting tools.

Occupational health and safety

- Comply with local regulations for the processing of wood-fibre material.
- Suitable protective measures must be taken when cutting the wood fibre insulation boards. (dust extraction, dust mask)

Building moisture

- Wood fibre insulation boards are delivered dry. On building sites a material moisture level is reached that allows immediate plaster coating.
- In the event of prolonged damp weathering with driving rain, or in periods of very high humidity, the material moisture content of the wood fibre insulation boards that have not yet been plastered increase significantly. Before plastering, a limit moisture content of the wood fibre insulation board of 13 % must be maintained.
- For renovations and new buildings made of mineral building materials a high core moisture content of the substrate must be avoided.

Installation

Installation as a plaster base board

- Please observe the processing instructions under the following link: <https://www.steico.com/int/technical/installation>

Additional information:

- The maximum weight of the entire render system is 25kg
- Gluing brick slips onto the plaster base board / plaster system is not permitted



Certificates and quality management



☰ Caption

other abbreviations

pal. Pallet
T&G Tongue and Groove
pac. Packaging
approx. Approximately
SE square edge
Pcs. Pieces

Responsible for content

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The currently valid version can be found at: www.steico.com/tds_steicoprotectdry_eur_en