



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]
100	L dry/037	2.70	0.30
120	L dry/037	3.20	0.36
140	L dry/037	3.75	0.42
160	L dry/037	4.30	0.48
180	L dry/037	4.85	0.54
200	L dry/037	5.40	0.60
220	L dry/037	5.90	0.66
240	L dry/037	6.45	0.72

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]
100	L dry/037	SE	1200	400	22	10.560
120	L dry/037	SE	1200	400	18	8.640
140	L dry/037	SE	600	400	32	7.680
140	L dry/037	SE	1200	400	16	7.680
160	L dry/037	SE	600	400	28	6.720
160	L dry/037	SE	1200	400	14	6.720
180	L dry/037	SE	600	400	24	5.760
180	L dry/037	SE	1200	400	12	5.760
200	L dry/037	SE	600	400	24	5.760
200	L dry/037	SE	1200	400	12	5.760
220	L dry/037	SE	1200	400	10	4.800
240	L dry/037	SE	1200	400	10	4.800

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]
100	L dry/037	SE	1200	400	11.00	5.3	0.05	0.7	16.2	130
120	L dry/037	SE	1200	400	13.20	6.3	0.05	0.7	16.2	130
140	L dry/037	SE	600	400	15.40	3.7	0.05	0.7	16.2	135
140	L dry/037	SE	1200	400	15.40	7.4	0.05	0.7	16.2	135
160	L dry/037	SE	600	400	17.60	4.2	0.05	0.7	16.2	135
160	L dry/037	SE	1200	400	17.60	8.4	0.05	0.7	16.2	135
180	L dry/037	SE	600	400	19.80	4.8	0.05	0.7	16.2	130
180	L dry/037	SE	1200	400	19.80	9.5	0.05	0.7	16.2	130
200	L dry/037	SE	600	400	22.00	5.3	0.05	0.7	16.2	145
200	L dry/037	SE	1200	400	22.00	10.6	0.05	0.7	16.2	145
220	L dry/037	SE	1200	400	24.20	11.6	0.05	0.7	16.2	130
240	L dry/037	SE	1200	400	26.40	12.7	0.05	0.7	16.2	145

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 or a band saw, circular saw, jigsaw and other wood-cutting tools.

Occupational health and safety

- HSE guidance on the safe cutting of timber and the management of wood dust should be followed

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/en/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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United Kingdom, Republic of Ireland

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