

# STEICO *protect dry*

external thermal insulation composite system

Environmentally-friendly insulation system  
made from natural wood fibres



## | AREAS OF APPLICATION

Wood fibre insulation board for use in External Thermal Insulation Composite Systems (ETICS).



## | MATERIAL

Wood fibre insulation board produced in accordance with EN 13171 and with ongoing quality supervision

- Suitable for use with direct render systems
- Ideal for timber frame constructions, solid wood walls and renovation of walls
- Robust and economic on-site handling
- Manufactured in dry process. Lightweight homogenous boards.
- Excellent thermal characteristics in summer and winter
- Hydrophobic and water vapour open system for robust constructions

For more information please visit our website at [www.steico.co.uk](http://www.steico.co.uk)

## PRODUCTS

### STEICOprotect H dry

Thickness from 40 to 60 mm.

High stability.

Boards with a thickness of 40 mm or more are adapted to air injected insulation with STEICOzell and STEICOfloc.

### STEICOprotect M dry

Thickness from 60 to 200 mm.

Also available in large size.

### STEICOprotect L dry

Thickness from 100 to 240 mm

for the renovation of existing masonry walls.

## RECOMMENDATION

Store STEICOprotect dry boards lying flat.

Store in a dry area.

Protect edges against damage.

Remove foil packing only when the board is ready to be installed.

For dust extraction please refer to national requirements.

National building regulations have to be observed

## BOARD SPECIFICATIONS STEICOprotect dry

### Tongue and groove profile on all 4 sides

Size	Thickness	Type	Pcs. / pallet	kg / m <sup>2</sup>	m <sup>2</sup> / pallet	kg / pallet
1,325 * 600 mm	40 mm	H	56	7,20	44,5	approx. 360
1,325 * 600 mm	60 mm	H	38	10,80	30,2	approx. 350
1,325 * 600 mm	60 mm	M	38	8,40	30,2	approx. 281
1,325 * 600 mm	80 mm	M	28	11,20	22,3	approx. 270
1,325 * 600 mm	100 mm	M	22	14,00	17,5	approx. 261
1,325 * 600 mm	120 mm	M	18	16,80	14,3	approx. 260
1,325 * 600 mm	140 mm	M	16	19,60	12,7	approx. 269
1,325 * 600 mm	160 mm	M	14	22,40	11,1	approx. 269
1,325 * 600 mm	180 mm	M*	12	25,20	9,54	approx. 260
1,325 * 600 mm	200 mm	M*	12	28,00	9,54	approx. 278

Coverage dimensions: 1,300\*575 mm; Pallet dimensions: approx. 1,33\*1,21\*1,30 m.

\* Not in stock - delivery on demand.

### Straight edges

Size	Thickness	Type	Pcs. / pallet	kg / m <sup>2</sup>	m <sup>2</sup> / pallet	kg / pallet
2,800 * 1,250 mm	40 mm*	H	28	7,20	98,0	approx. 568
2,800 * 1,250 mm	60 mm*	H	19	10,80	66,5	approx. 620
2,800 * 1,250 mm	60 mm*	M	19	8,40	66,5	approx. 568
2,800 * 1,250 mm	80 mm*	M	14	11,20	49,0	approx. 593
2,800 * 1,250 mm	100 mm*	M	11	14,00	38,5	approx. 575
2,800 * 1,250 mm	120 mm*	M	9	16,80	31,5	approx. 417
2,800 * 1,250 mm	140 mm*	M	8	19,60	28,0	approx. 430
2,800 * 1,250 mm	160 mm*	M	7	22,40	24,5	approx. 430

Pallet dimensions: approx. 2,60/2,80 \* 1,25 \* 1,30 m. \* Not in stock - delivery on demand.

### Straight edges

Size	Thickness	Type	Pcs. / pallet	kg / m <sup>2</sup>	m <sup>2</sup> / pallet	kg / pallet
1,200 * 400 mm	100 mm*	L	22	11,00	10,6	approx. 127
1,200 * 400 mm	120 mm*	L	18	13,20	8,6	approx. 122
1,200 * 400 mm	140 mm	L	16	15,40	7,7	approx. 126
1,200 * 400 mm	160 mm	L	14	17,60	6,7	approx. 124
1,200 * 400 mm	180 mm	L	12	19,80	5,8	approx. 120
1,200 * 400 mm	200 mm*	L	12	22,00	5,8	approx. 133
1,200 * 400 mm	220 mm*	L	10	24,20	4,8	approx. 121
1,200 * 400 mm	240 mm*	L	10	26,40	4,8	approx. 131

Pallet dimensions: approx. 1,20 \* 0,80 \* 1,20 m. \* Not in stock - delivery on demand.

Reveal board available as STEICOprotect H 20 x 1350 x 500 mm!

## TECHNICAL VALUES STEICOprotect dry

Parameters	Type H	Type M	Type L
Board designation	WF - EN 13171 - T5 - DS(70,90)3 - CS(10\Y)200 - TR30 - WS1,0 - MU3	WF - EN 13171 - T5 - DS(70,90)3 - CS(10\Y)100 - TR20 - WS1,0 - MU3	WF - EN 13171 - T5 - DS(70,90)3 - CS(10\Y)50 - TR10 - WS1,0 - MU3
Fire class according to EN 13501-1	E		
Declared thermal conductivity $\lambda_D$ [W/(m*K)]	0,043	0,040	0,037
Board Density [kg/m <sup>3</sup> ]	approx. 180	approx. 140	approx. 110
Water vapour diffusion resistance factor $\mu$	3		
Specific heat capacity [J/(kg*K)]	2,100		
Compression strength [kPa]	200	100	50
Tensile strength perpendicular to face $\perp$ [kPa]	30	20	10
Dimensional stability 48 h, 70 °C, 90 % relative air moisture	Length $\Delta\epsilon_l \leq 3\%$ Width $\Delta\epsilon_b \leq 3\%$ Thickness $\Delta\epsilon_d \leq 3\%$		
Waste code (EAK)	030105 / 170201		



**STEICO**  
engineered by nature

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