

# 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 60 mm or more are adapted to air injected insulation with

STEICOzell

### STEICOprotect M dry

Thickness from 60 to 100 mm.

Also available in large size.

Boards with a thickness of 60 mm or more are adapted to air injected insulation with

STEICOzell.

### STEICOprotect L dry

Thickness from 100 to 240 mm.

Available in small and large sizes.

Adapted to air injected insulation with STEICOzell.

## 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.

## BOARD SPECIFICATIONS STEICOprotect dry

### Tongue and groove profile on all 4 sides

Size	Thickness	Type	Pcs. /palett	kg / m <sup>2</sup>	m <sup>2</sup> / palett	kg / palett
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. 282
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

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

### Straight edges

Size	Thickness	Type	Pcs. /palett	kg / m <sup>2</sup>	m <sup>2</sup> / palett	kg / palett
2,800 * 1,250 mm	60 mm	M	19	8,40	66,5	approx. 620
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
2,600 * 1,250 mm	100 mm*	L	11	11,00	35,8	approx. 426
2,600 * 1,250 mm	120 mm*	L	9	13,20	29,3	approx. 417
2,600 * 1,250 mm	140 mm*	L	8	15,40	26,0	approx. 430
2,600 * 1,250 mm	160 mm*	L	7	17,60	22,8	approx. 430
2,600 * 1,250 mm	180 mm*	L	6	19,80	19,5	approx. 403
2,600 * 1,250 mm	200 mm*	L	6	22,00	19,5	approx. 447
2,600 * 1,250 mm	220 mm*	L	5	24,20	16,3	approx. 410
2,600 * 1,250 mm	240 mm*	L	4	26,40	13,0	approx. 445

Pallet dimensions: approx. 2,60/2,80 \* 1,25 \* 1,30 m \*not in stock – Delivery on demand.

### Straight edges

Size	Thickness	Type	Pcs. /palett	kg / m <sup>2</sup>	m <sup>2</sup> / palett	kg / palett
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	3,8	approx. 131

Pallet dimensions: approx. 1,20 \* 0,80 \* 1,20 m

## 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		



Production certified accor. to ISO 9001:2008



**STEICO**  
engineered by nature

Your STEICO Agent

www.steico.co.uk