

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

PRODUCTS

STEICOprotect M dry

Thickness from 60 to 100mm.
Also available in large size.
Boards with a thickness of 60mm or more are adapted to air injected insulation with STEICOzell.

STEICOprotect L dry

Thickness from 100 to 240mm.
Available in small and large sizes.
Adapted to air injected insulation with STEICOzell.

STEICOprotect dry H

Thickness from 40 to 60mm.
High stability.
Boards with a thickness of 60mm or more are 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 ²	m ² /palett	kg/ palett
1,325 * 600 mm	40 mm	H	56	7,20	44,5	approx. 329
1,325 * 600 mm	60 mm	H	38	10,80	30,2	approx. 350
1,325 * 600 mm	60 mm	M	38	10,80	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 ²	m ² /palett	kg/ palett
2,800 * 1,250 mm	60 mm	M	19	8,40	66,5	approx. 560
2,800 * 1,250 mm	80 mm	M	14	11,20	49,0	approx. 550
2,800 * 1,250 mm	100 mm	M	11	14,00	38,5	approx. 540
2,600 * 1,250 mm	100 mm*	L	11	11,00	35,8	approx. 393
2,600 * 1,250 mm	120 mm*	L	9	13,20	29,3	approx. 386
2,600 * 1,250 mm	140 mm*	L	8	15,40	26,0	approx. 400
2,600 * 1,250 mm	160 mm*	L	7	17,60	22,8	approx. 400
2,600 * 1,250 mm	180 mm*	L	6	19,80	19,5	approx. 386
2,600 * 1,250 mm	200 mm*	L	6	22,00	19,5	approx. 429
2,600 * 1,250 mm	220 mm*	L	5	24,20	16,3	approx. 393
2,600 * 1,250 mm	240 mm*	L	4	26,40	13,0	approx. 343

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 ²	m ² /palett	kg/ palett
1,200 * 400 mm	100 mm	L	22	11,00	10,6	approx. 116
1,200 * 400 mm	120 mm	L	18	13,20	8,6	approx. 114
1,200 * 400 mm	140 mm	L	16	15,40	7,7	approx. 118
1,200 * 400 mm	160 mm	L	14	17,60	6,7	approx. 118
1,200 * 400 mm	180 mm	L	12	19,80	5,8	approx. 114
1,200 * 400 mm	200 mm	L	12	22,00	5,8	approx. 127
1,200 * 400 mm	220 mm	L	10	24,20	4,8	approx. 116
1,200 * 400 mm	240 mm	L	8	26,40	3,8	approx. 101

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 λ_D [W/(m*K)]	0,043	0,040	0,037
Board Density [kg/m ³]	approx. 180	approx. 140	approx. 110
Water vapour diffusion resistance factor μ	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 48h, 70°C, 90% relative air moisture	Length $\Delta\epsilon_i \leq 2\%$ Width $\Delta\epsilon_b \leq 2\%$ Thickness $\Delta\epsilon_d \leq 2\%$		
Waste code (EAK)	030105/170201		



Production certified accor. to ISO 9001:2008



Member of WWF Wood Group

STEICO
engineered by nature

Your STEICO Agent

www.steico.co.uk