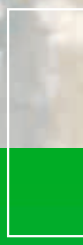
STEICO protect dry

External thermal insulation composite system

Environmentally-friendly insulation system made from natural wood fibres



Headline

- 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

Areas of application

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

Board specifications STEICO protect dry

Size [mm]	Thickness [mm]	Type	Pcs. /pallet	kg /m²	m² /pallet	kg /pallet
Tongue and groove profile on all 4 sides 1)						
1.325* 600	40	H	56	7.20	44.5	approx. 360
1.325* 600	60	H	38	10.80	30.2	approx. 350
1.325* 600	60	M	38	8.40	30.2	approx. 281
1.325* 600	80	M	28	11.20	22.3	approx. 270
1.325* 600	100	M	22	14.00	17.5	approx. 261
1.325* 600	120	M	18	16.80	14.3	approx. 260
1.325* 600	140	M	16	19.60	12.7	approx. 269
1.325* 600	160	M	14	22.40	11.1	approx. 269
1.325* 600	180	M 2)	12	25.20	9.54	approx. 260
1.325* 600	200	M 2)	12	28.00	9.54	approx. 278
Straight edges 3)4)5)						
2.800 * 1.250	40 2)	H	28	7.20	98.0	approx. 568
2.800 * 1.250	60 2)	H	19	10.80	66.5	approx. 620
2.800 * 1.250	60 2)	M	19	8.40	66.5	approx. 568
2.800 * 1.250	80 2)	M	14	11.20	49.0	approx. 593
2.800 * 1.250	100 2)	M	11	14.00	38.5	approx. 575
2.800 * 1.250	120 2)	M	9	16.80	31.5	approx. 417
2.800 * 1.250	140 2)	M	8	19.60	28.0	approx. 430
2.800 * 1.250	160 2)	M	7	22.40	24.5	approx. 430
1.200* 400	100 2)	L	22	11.00	10.6	approx. 127
1.200* 400	120 2)	L	18	13.20	8.6	approx. 122
1.200* 400	140	L	16	15.40	7.7	approx. 126
1.200* 400	160	L	14	17.60	6.7	approx. 124
1.200* 400	180	L	12	19.80	5.8	approx. 120
1.200* 400	200 2)	L	12	22.00	5.8	approx. 133
1.200* 400	220 2)	L	10	24.20	4.8	approx. 121
1.200* 400	240 2)	L	10	26.40	4.8	approx. 131

Products

STEICOprotect H dry
Thickness from 40 to 60mm. High stability.
Boards with a thickness of 40mm 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 240mm for the renovation of existing masonry walls.

Notes:
Store STEICO protect 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 require-ments.
National building regula-tions have to be observed.

Technical values STEICO protect dry

Parameters	Type H	Type M	Type L
Board designation	WF – EN13171 – T5 – DS(70,90)3 – CS(10\Y)200 – TR30 – WS1,0 – MU3	WF – EN13171 – T5 – DS(70,90)3 – CS(10\Y)100 – TR20 – WS1,0 – MU3	WF – EN13171 – 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
Declared thermal resistance R_D [(m² * K) /W]	0,93(40) / 1,40 (60)	1,5(60) / 2(80) / 2,5(100) / 3(120) / 3,5(140) / 4(160)	2,70(100) / 3,20(120) / 3,75(140) / 4,30(160) / 4,85(180) / 5,40(200) / 5,90(220) / 6,45(240)
Board Density [kg /m³]	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 ^ [kPa]	30	20	10
Dimensional stability 48h, 70°C, 90% relative air moisture	Length $\Delta\varepsilon_l \leq 3\%$ | Width $\Delta\varepsilon_b \leq 3\%$ | Thickness $\Delta\varepsilon_d \leq 3\%$		
Waste code (EAK)	030105 /170201		

Qualitäts-management ISO 9001:2015

039 MPA NRW-00382

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FSC www.fsc.org FSC® C126760 Das Zeichen für verantwortungsvolle Waldwirtschaft

PEFC PEFC/04-31-2550 Promoting Sustainable Forest Management www.pefc.co.uk

1) Coverage dimensions: 1.300*575mm; Pallet dimensions: approx. 1.33*1.21*1.30m.
2) Not in stock –delivery on demand.
3) Pallet dimensions: approx. 2.60/2.80*1.25*1.30m.
4) Pallet dimensions: approx. 1.20*0.80*1.20m.
5) Reveal board available as STEICOprotect H 20×1350×500mm!

STEICO engineered by nature

Your STEICO Agent
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