

Environmentally-friendly insulation system made from natural wood fibres



Wood fibre insulation board for ETICS



Areas of application

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

- Suitable for use with direct render systems
- Ideal for timber frame constructions, CLT and masonry renovation
- 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



Board specifications STEICOprotect dry

Size [mm]	Thickness [mm]	Type	Pcs./pallet	kg/m ²	m ² /pallet	kg/pallet
Tongue and groove profile on all 4 sides¹⁾						
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

Straight edges²⁾

1.200 * 400	100	L	22	11.00	10.6	approx. 127
1.200 * 400	120	L	18	13.20	8.6	approx. 122
600 * 400	140	L	32	15.40	7.7	approx. 126
1.200 * 400	140	L	16	15.40	7.7	approx. 126
600 * 400	160	L	28	17.60	6.7	approx. 124
1.200 * 400	160	L	14	17.60	6.7	approx. 124
600 * 400	180	L	24	19.80	5.8	approx. 120
1.200 * 400	180	L	12	19.80	5.8	approx. 120
600 * 400	200	L	24	22.00	5.8	approx. 133
1.200 * 400	200	L	12	22.00	5.8	approx. 133
1.200 * 400	220	L	10	24.20	4.8	approx. 121
1.200 * 400	240	L	10	26.40	4.8	approx. 131

Technical values STEICOprotect dry

Parameters	Type M	Type L
Board designation	WF - EN 13171 - T5 - DS(70,90)3 - CS(10Y)100	WF - EN 13171 - T5 - DS(70,90)3 - CS(10Y)50
Fire class according to EN 13501-1	TR20 - WS1,0 - MU3	TR10 - WS1,0 - MU3
Declared thermal conductivity λ_D [W/(m*K)]	0.040	0.037
Declared thermal resistance R_D [(m ² *K) / W]	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/m ³]	approx. 140	approx. 110
Water vapour diffusion resistance factor μ	3	
Specific heat capacity [J/(kg*K)]	2.100	
Compression strength [kPa]	100	50
Tensile strength perpendicular to face \perp [kPa]	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	

Products

STEICOprotect M dry for timber construction and flat mineral substrates

STEICOprotect L dry for the renovation of existing masonry walls.

Notes:

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.



1) Pallet format: ca. 1.33 * 1.21 * 1.30 m; 40 pal. / truck
2) Pallet format: ca. 1.20 * 0.80 * 1.20 m; 66 pal. / truck.