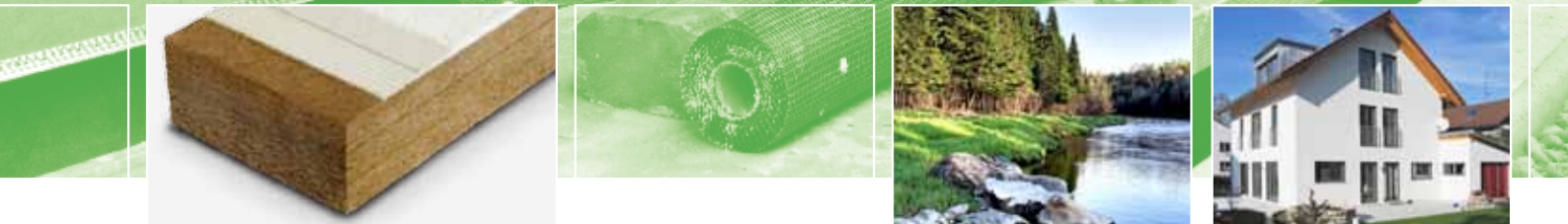


# STEICO *protect*

external thermal insulation composite system

Environmentally-friendly insulation system  
made from natural wood fibres



Render recommendation:

lime|green

BBA certified

## | AREAS OF APPLICATION

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



For new build and renovations projects.

## | MATERIAL

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

- Suitable for use with direct render systems
- Part of a full system of components
- Reduces thermal bridging through the structure
- Excellent thermal characteristics in both the summer and winter
- Water vapour open system
- Improves the acoustic performance of the structure
- Good fire resistance
- Simple and economic on site handling
- Sustainable and FSC® certified

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



## | STEICOprotect H / M BOARD SPECIFICATIONS

Tongue and groove profile to all 4 sides.

Size [mm]	Thickness [mm]	Type	Pieces / Palett	Weight [kg / m <sup>2</sup> ]	Pallet Coverage [m <sup>2</sup> ]	Pallet weight [kg]
1,325 * 600 mm	40	H	56	10.00 kg	44.5	ca. 478 kg
1,325 * 600 mm	60	H	38	15.00 kg	30.2	ca. 486 kg
1,325 * 600 mm	80	M	28	17.60kg	22.3	ca. 423 kg
1,325 * 600 mm	100	M	22	23.90 kg	17.5	ca. 418 kg

Coverage per board is approximately 0.75 m<sup>2</sup>. Coverage dimensions 1,300 × 575 mm

## | STEICOprotect H / M TECHNICAL VALUES

### | ADVICES

Store STEICOprotect 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

Parameter	Type H	Type M
Board designation	WF EN 13171 – T5 – DS(70,90)3 – CS(10\Y)150 – TR20(30) – WS1,0 – MU5	WF EN 13171 – T5 – DS(70,90)3 – CS(10\Y)100 – TR15(30) – WS1,0 – MU5
Produced and supervised in accordance with EN 13171		
Edge profile	tongue & groove all 4 edges	
Fire class according to EN 13501-1	E	
Declared thermal conductivity $\lambda_D$ [W/(m*K)]	0.048	0.046
Declared thermal resistance $R_D$ [(m <sup>2</sup> *K)/W]	0.80 / 1.25	1.70
Board Density [kg / m <sup>3</sup> ]	ca. 265	ca. 230
Water vapour diffusion resistance factor $\mu$	5	
$S_d$ value [m]	0.20 / 0.30	0.4
Specific heat capacity [J/(kg*K)]	2.100	
Compression strength at 10% deformation $\sigma_{10}$ [N/mm <sup>2</sup> ]	0.18	0.10
Compression strength [kPa]	180	100
Tensile strength perpendicular to face $\perp$ [kPa]	20	15
Raw material	wood fibre, waterproofing agents, bond between layers	
Dimensional stability 48h, 70°C, 90% relative air moisture	Length $\Delta\epsilon_l$ Wide $\Delta\epsilon_b$ Thickness $\Delta\epsilon_d$	$\leq 3\%$ $\leq 3\%$ $\leq 3\%$
Waste code (EAK)	030105/170201	



**STEICO**  
engineered by nature

Your STEICO Agent

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