

Environmentally-friendly insulation system  
made from natural wood fibres



Approved Quality  
**NEW**  
EDGE-PROFILE



## AREAS OF APPLICATION

External insulation board

Water resistant roof sarking  
manufactured from natural  
wood fibres

For both new build and  
roofing renovation

External wall insulation for  
new build and renovation projects



- provides an additional insulation layer above rafter level
- water vapour open board for a healthy living environment
- 3 fold functionality: wind-proof layer, secondary water resisting layer, additional insulation layer
- excellent summer heat protection
- reduces thermal bridging through the rafters or studs
- high security tongue & groove profile; suitable for roof inclinations greater than 18° without the need for tapes or glue.
- tongue & groove profile contributes to building airtightness
- improved sound insulation
- good fire resistance – Class E according to EN13501-1
- simple and economic on site handling
- ecological, environmentally friendly and recyclable

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



## STEICOspecial BOARD SPECIFICATIONS

Thickness [mm]	Board Coverage [mm]	Weight [kg/m <sup>2</sup> ]	Pieces per pallet	Pallet coverage [m <sup>2</sup> ]	Pallet weight [kg]
60	1885 * 575	14.01	36	38.2	ca. 620
80	1885 * 575	18.44	28	29.7	ca. 620
100	1885 * 575	22.81	22	23.3	ca. 620
120	1885 * 575	27.21	18	19.0	ca. 620

Board Dimensions – 1880 mm \* 600 mm. Tongue and groove profile to all 4 sides. Coverage per board is approximately 1.06 m<sup>2</sup>

### MATERIAL

Wood fibre insulation produced to EN 13171.

STEICO uses wood from sustainably managed forests, certified according to the strict guidelines of the FSC® (Forest Stewardship Council).

STEICOspecial is particularly user friendly and will not knowingly cause skin irritation and can be worked with simple cutting tools. When cutting and handling STEICO products please ensure the correct personal protection equipment is used.

### STORAGE AND TRANSPORT

Store STEICOspecial boards lying flat.

Store in a dry area.

Protect edges against damage.

Remove foil packing only when the board is ready to be installed.

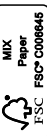
### STEICOspecial TECHNICAL VALUES

Produced and supervised in accordance with EN 13171	
Board Designation	WF – EN 13171 – T4 – DS(70,-)2 – CS(10\Y)100 – TR10 – WS1,0 – AF100
Edge Profile	Tongue & groove all 4 edges
Fire class in accordance with EN 13501-1	E
Declared Thermal Conductivity $\lambda_D$ [W/(m*K)]	0.046
Declared Thermal Resistance $R_D$ [(m <sup>2</sup> *K)/W]	1,30 (60)/1,70 (80)/2,15 (100)/2,60 (120)
Board Density [kg/m <sup>3</sup> ]	ca. 240
Water vapour diffusion resistance factor $\mu$	5
sd-Value [m]	0,3 (60)/0,4 (80)/0,5 (100)/0,6 (120)
Specific Heat Capacity $c$ [J/(kg*K)]	2100
Minimum compression strength 10% deformation $\sigma_{10}$ [N/mm <sup>2</sup> ]	0.10
Minimum compression strength [kPa]	100
Tensile strength perpendicular to Board level [kPa]	≥ 10
Declared level of airflow resistance [(kPa*s)/m <sup>2</sup> ]	≥ 100
Raw material	Woodfibre, aluminium sulphate, paraffin, bond between layers
Waste Code (EAK)	030105/170201



Operating site certified according to ISO 9001:2008

Member of WWF Global Forest & Trade Network



**STEICO**  
natural building products

Your STEICO Partner

[www.steico.co.uk](http://www.steico.co.uk)