

Environmentally-friendly insulation system  
made from natural wood fibres



## | AREAS OF APPLICATION

**sheathing board** for both pitched roof and wall constructions.

**insulated wall panel** made from natural wood fibres.

STEICO *universal* is designed for sheathing timber frame wall panels with stud framing not less than 38 mm in width and at maximum 600 mm centres. The boards can resist weather exposure without deterioration during construction or if cladding is delayed.



- High compression strength
- High heat protection during summer months
- Excellent insulation qualities, prevents thermal bridging
- Water vapour open, suitable for warm roofs
- Water resistant due to special rebate on roof pitches  $\geq 18^\circ$
- May be fully exposed for up to four weeks in a temporary condition
- Effective protection against wind, dust, moisture and sound
- Enhanced vapour transfer
- Contributes to an excellent room climate
- Ecological and environmentally friendly, recyclable
- Insulant made of wood fibres, FSC® chain of custody certified
- CE marked

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



### natural resin

Thickness [mm]	Size [mm]	Cover. dim [mm]	Weight [kg / m <sup>2</sup> ]	Pieces/Pallet	m <sup>2</sup> / Pallet	Coverage per Pallet	Weight / Pal. [kg]
22	2500 * 600	2480 * 585	5.83	104	156.0	150.9	ca. 1.020
24	2500 * 600	2477 * 577	6.36	98	147.0	140.1	ca. 1.020
35	2500 * 600	2477 * 577	9.28	66	99.0	94.3	ca. 1.010
52	2500 * 600	2477 * 577	13.78	44	66.0	62.9	ca. 1.000
60	2500 * 600	2477 * 577	16.20	38	57.0	54.3	ca. 1.000

### | MATERIAL

wood fibre insulation board produced in accordance with EN 13171 and EN 13986 and with ongoing quality supervision.

for dust extraction please refer to national requirements.

### | ADDITIONAL AREAS OF APPLICATION

(according to national regulations).

external insulation for roofs or floors with staggered joints or under sarking membrane.
external insulation for roofs or floors, weathering protection, insulation, water resistance.
interior insulation for floors or roofs, insulation between rafters.
insulation under a screed.
external insulation for walls behind a suitable facade.
insulation for timber structures.

### | STORAGE / TRANSPORT

flat, level and under cover  
protect edges from damage  
remove plastic foil packing only when the pallet is on hard, dry and even ground carry single boards vertically.

### | CHARACTERISTIC VALUES STEICO*universal*

Produced and supervised according to EN 13171 and EN 13986	
Board designation	WF-EN 13171-T4-DS(70,-)2-CS(10\Y)100-TR30-WS1,0-AF100; EN 622-4-SB.H-E1
Edge design	Special tongue and groove profiles
Fire class according to EN 13501-1	E
Declared thermal conductivity $\lambda_D$ [W/(m*K)]	0.048
Declared thermal resistance	0,45 (22) / 0,50 (24) / 0,70 (35) / 1,05 (52) / 1,25 (60)
Density [kg / m <sup>3</sup> ]	270
Water vapour diffusion resistance factor $\mu$	5
Sd value [m]	0,11 (22) / 0,12 (24) / 0,18 (35) / 0,26 (52) / 0,30 (60)
Short-term water absorption [kg / m <sup>2</sup> ]	$\leq 1,0$
Specific heat capacity [J / (kg*K)]	2.100
Compression strength at 10% deformation $\sigma_{10}$ [N / mm <sup>2</sup> ]	0.20
Compression strength [kPa]	200
Tensile strength perpendicular to face $\perp$ [kPa]	$\geq 30$
Declared level of airflow resistance [(kPa*s) / m <sup>2</sup> ]	$\geq 100$
Raw material – natural resin	wood fibre, aluminium sulphate, paraffin, bond between layers
Waste code (EAK)	030105 / 170201

