

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.com](http://www.steico.com)



## 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	2,500 * 600	2,480 * 585	5.83	104	156.0	150.9	ca. 1,020
24	2,500 * 600	2,477 * 577	6.36	98	147.0	140.1	ca. 1,020
35	2,500 * 600	2,477 * 577	9.28	66	99.0	94.3	ca. 1,010
52	2,500 * 600	2,477 * 577	13.78	44	66.0	62.9	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 felt
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 rain screed
insulation for timber structures

## STORAGE/TRANSPORT

flat, level and under cover

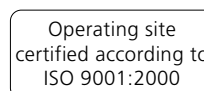
protect edges from damage

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-D5(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 $R_D$ [(m <sup>2</sup> *K)/W]	0.45/0.50/0.70/1.05
Density [kg/m <sup>3</sup> ]	270
Water vapour diffusion resistance factor $\mu$	5
Sd value [m]	0.11/0.12/0.18/0.26
Short-term water absorption [kg/m <sup>2</sup> ]	≤ 1,0
Specific heat capacity [J/(kg*K)]	2100
Guaranteed compression strength at 10% deformation $\sigma_{10}$ [N/mm <sup>2</sup> ]	0.20
Guaranteed compression strength [kPa]	200
Tensile strength perpendicular to face $\perp$ [kPa]	≥ 30
Declared level of airflow resistance [(kPa*s)/m <sup>2</sup> ]	≥ 100
Raw material – natural resin	wood fibre, aluminium sulphate, paraffin, silicate, waterproofing agents, bond between layers
Raw material – bitumen impregnated	wood fibre, bitumen, aluminium sulphate, paraffin, waterproofing agents
Waste code (EAK)	030105/170201



Your STEICO Agent

www.steico.com