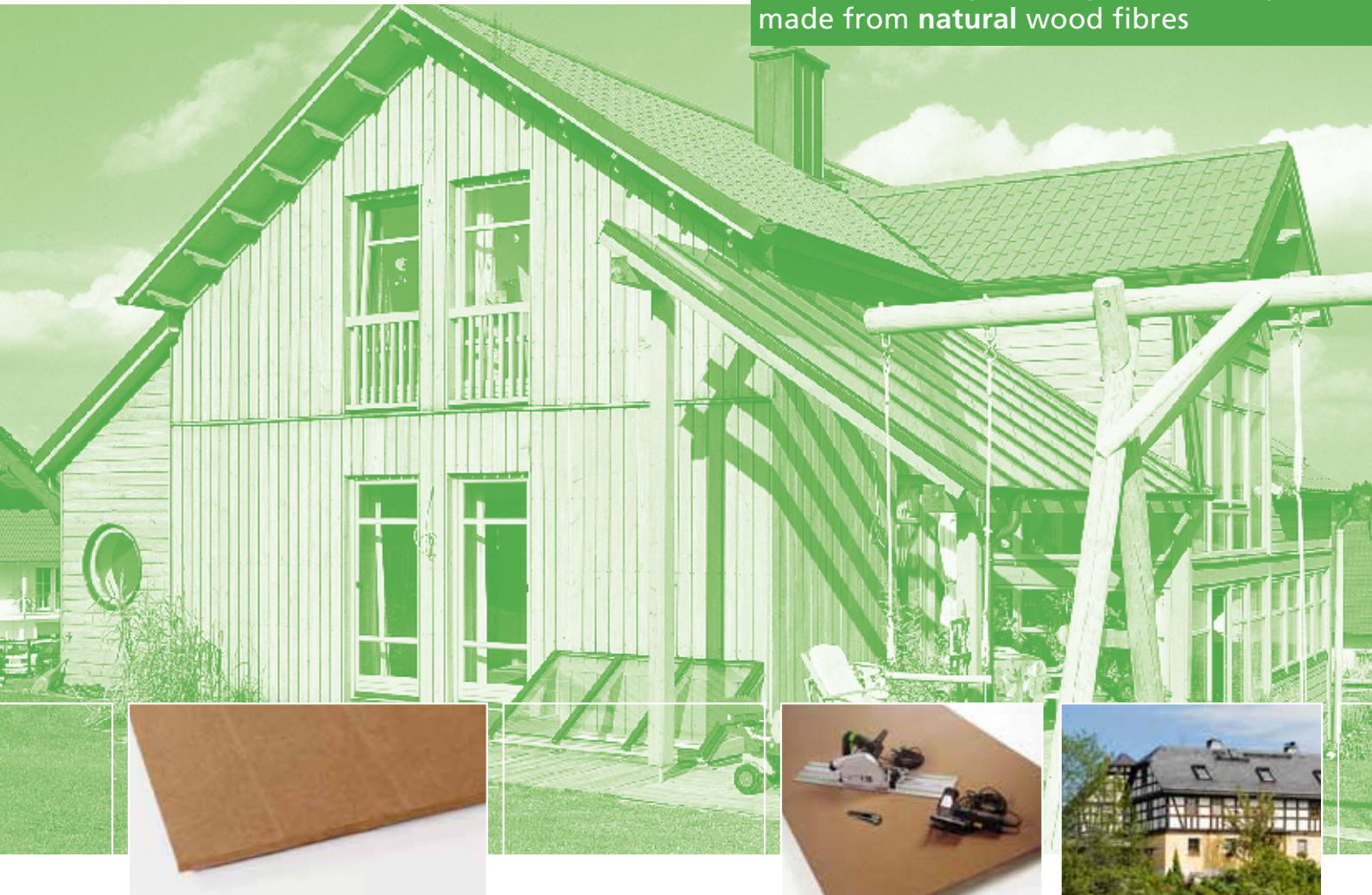


# STEICO *isorel*

multi purpose rigid insulation board

Environmentally-friendly insulation system  
made from natural wood fibres



## AREAS OF APPLICATION

Multi purpose insulation board  
from natural wood fibre for  
**roof, wall and floor** applications.

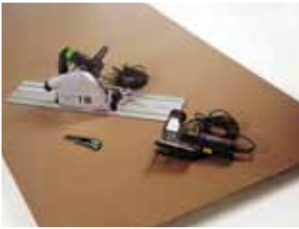


## STORAGE/TRANSPORT

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

- high compression strength
- high heat protection during summer months
- excellent insulation qualities
- ideal combination for high load bearing dry and wet screed
- suitable for mastic asphalt screed
- ecological and environmentally friendly
- recyclable

For more information please visit our website at [www.suncoamerica.com](http://www.suncoamerica.com)



## PACKAGING

Thickness [mm]	Size [mm]	Weight [kg/m <sup>2</sup> ]	Pieces/Pallet	m <sup>2</sup> /Pallet	Weight /Pal. [kg]
8	1200 * 1000	2.00	138	165.6	approx. 350
10	2500 * 1200	2.20	114	342.0	approx. 350
12	2500 * 1200	2.64	95	285.0	approx. 350
15	2500 * 1200	3.30	76	228.0	approx. 350
19	2500 * 1200	4.18	60	180.0	approx. 350

### Advanced quality for floor applications

Thickness [mm]	Size [mm]	Weight [kg/m <sup>2</sup> ]	Pieces/Pallet	m <sup>2</sup> /Pallet	Weight /Pal. [kg]
20	1350 * 600	5.00	112	90.7	approx. 350
40	1350 * 600	10.00	56	45.4	approx. 350
60	1350 * 600	15.00	38	30.8	approx. 350

Thicknesses 80 and 100 mm: delivery time on request

## MATERIAL

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

Our wood fibre is sourced from effectively managed forests and is independently certified in accordance with the guidelines of the FSC®.

For dust extraction please refer to national requirements

## CHARACTERISTIC VALUES STEICOisorel

Produced and supervised according to EN 13986 and EN 13171	
Board designation	Up to d ≤ 19 mm: EN 622-4 SB – E1 From d ≥ 20 mm: WF – EN 13171 – T4 – CS(10\Y)100-TR10
Edge design	straight
Fire class according to EN 13501-1	E
Declared thermal conductivity λ <sub>D</sub> [W/(m*K)]	0.048
Declared thermal resistance R <sub>D</sub> [(m <sup>2</sup> *K)/W]	0,15(8)/0,20(10)/0,25(12)/0,30(15) 0,40(19)/0,40(20)/0,80(40)/1,25(60)
Density [kg/m <sup>3</sup> ]	Up to d ≤ 19 mm: 230 From d ≥ 20 mm: 250
Water vapour diffusion resistance factor μ	5, equals 25 MNs/g
Sd value [m]	0,04(8)/0,05(10)/0,06(12)/0,08(15) 0,1(19)/0,1(20)/0,2(40)/0,3(60)
Specific heat capacity c [J/(kg*K)]	2100
Minimum compression strength at 10% deformation σ <sub>10</sub> [N/mm <sup>2</sup> ]	Up to d ≤ 19 mm: ≥ 0.10 From d ≥ 20 mm: ≥ 0.15
Minimum compression strength [kPa]	Up to d ≤ 19 mm: ≥ 100 From d ≥ 20 mm: ≥ 150
Tensile strength perpendicular to face ⊥ [kPa]	≥ 10
Declared level of airflow resistance [(kPa*s)/m <sup>2</sup> ]	≥ 100
Raw material	wood fibre From d ≥ 20 mm: wood fibre, bond between layers
Waste code (EAK)	030105/170201

Operating site certified according to ISO 9001:2000



Member of  
**WWF**  
Global Forest & Trade Network



The mark of responsible forestry



**STEICO**  
natural building products

Your STEICO Agent

www.suncoamerica.com