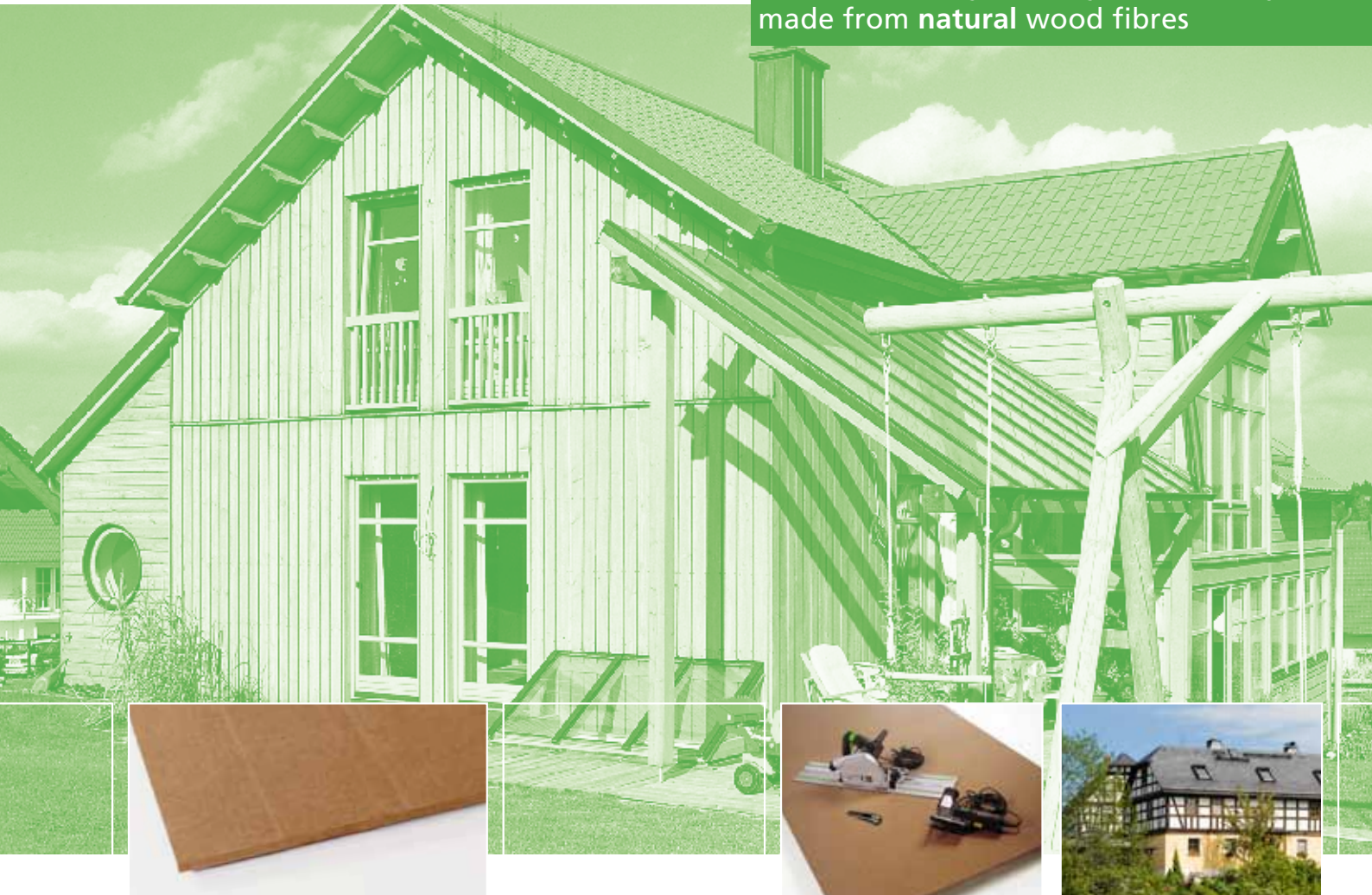


STEICO *isorel*

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.

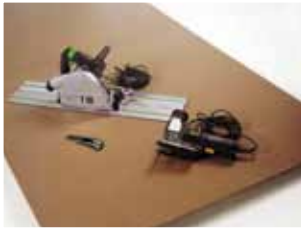


STORAGE/TRANSPORT

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.steico.com



PACKAGING

| Thickness [mm] | Size [mm] | Weight [kg/m ²] | Pieces/Pallet | m ² /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 ²] | Pieces/Pallet | m ² /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 _D [W/(m*K)] | 0.048 |
| Declared thermal resistance R _D [(m ² *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 ³] | 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 ₁₀ [N/mm ²] | 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 ²] | ≥ 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.steico.com