

Environmentally-friendly insulation systems made from natural wood fibres

As the first manufacturer of softboard products to be certified by the FSC (Forst Stewardship Council) for its entire production STEICO endorses the preservation of forests and sustainable use of wood. Our quality control is monitored continuously from the forest to the final product. 80 % of our wood comes from sustainably managed forests. Therefore we do our part in preserving the world of tomorrow. No deforestation, no biocides, preservation and enlargement of biodiversity.

Nearly the entire program of STEICO products is certified with the european quality mark natureplus®. natureplus® supports the protection of the environment and health in architecture and authenticates: the sustainability of the products, the embodied energy and low emissions in production and use. Strict demands and strenuous testing guarantee the highest levels of quality. Therefore, natureplus® has carefully chosen scientific institutions, among others:

- ECO Umweltinstitut
- TÜV Süddeutschland Group
- IBO Institut für Baubiologie und -ökologie, Austria



With kind recommendations

Your STEICO partner

www.steico.com

Subject to change. As at 11/2004



We care about *your* well-being





Wood – an eternal present from Nature

Wood as a sustainable building material is known for its excellent qualities, both thermally and climatically. Decades of experience and innovative engineering processes are combined to take advantage of the natural insulation properties of wood as a raw material. Whether providing thermal or acoustic insulation STEICO weather durable roofing boards and wall panels provide the best solutions to a wide range of architectural requirements.

STEICO – the natural way of living!

With STEICO, you are making the natural choice because STEICO products...

- are healthy and innovative building materials made from natural wood fibres
- are environmentally friendly and ecologically safe
- provide excellent protection against solar gain, even on the hottest of days
- provide excellent protection against winter conditions
- save energy and help to reduce heating costs
- are acoustically sound and help to give you a quiet life
- are water vapour open and breathe to provide a healthy room climate
- considerably improve the building physics in relation to fire protection
- are easy to machine and non hypo allergenic
- are durable and therefore provide long term insulation
- are subjected to ongoing third party monitoring and internal quality controls



The production – tradition and innovation for modern building methods

STEICO AG trades worldwide and owns Europe's largest manufacturing site of high-quality wood fibre products with its plant in Czarnkow/Poland. The combination of cutting edge Western European Technology and decades of experience provide new opportunities to produce innovative and economic insulation materials.



All STEICO products are manufactured in accordance with EN 13171 or EN 622-4. Ongoing quality supervision by our own production laboratory and MPA NRW (Institution for material supervision, North-Rhine Westphalia) maintain the high quality of all products. The development and production of wood fibre insulation boards has been certified by the TÜV Süd-deutschland Group according to ISO 9001:2000 since August 2003.

In this way, we guarantee maximum production quality, service and customer satisfaction. Trust us!

Pro environment – pro living!

While choosing materials and production, STEICO AG – as a producer of wood based ecological building materials – pays particular attention to the environment and health. We are committed to meeting the needs of the present without compromising the needs of future generations with products that perform in function and quality.

STEICO AG is the first manufacturer of softboard products to be certified by the FSC for its entire production. Based on this STEICO products all bear the European quality mark natureplus®.



Everything under cover
with STEICO wood fibre products

STEICO flex
flexible insulation



- for cavity insulation in roofs, walls and ceilings
- easy machining without special tools
- good compression resistance
- water vapour open for a healthy room climate
- excellent insulation properties
- also available as an angle fillet
- thickness 40/60/80/100/120/140/160/180/200 mm
- size 1220 x 575 mm
- 1220 x 670 mm (angle fillet)

STEICO therm
rigid insulation

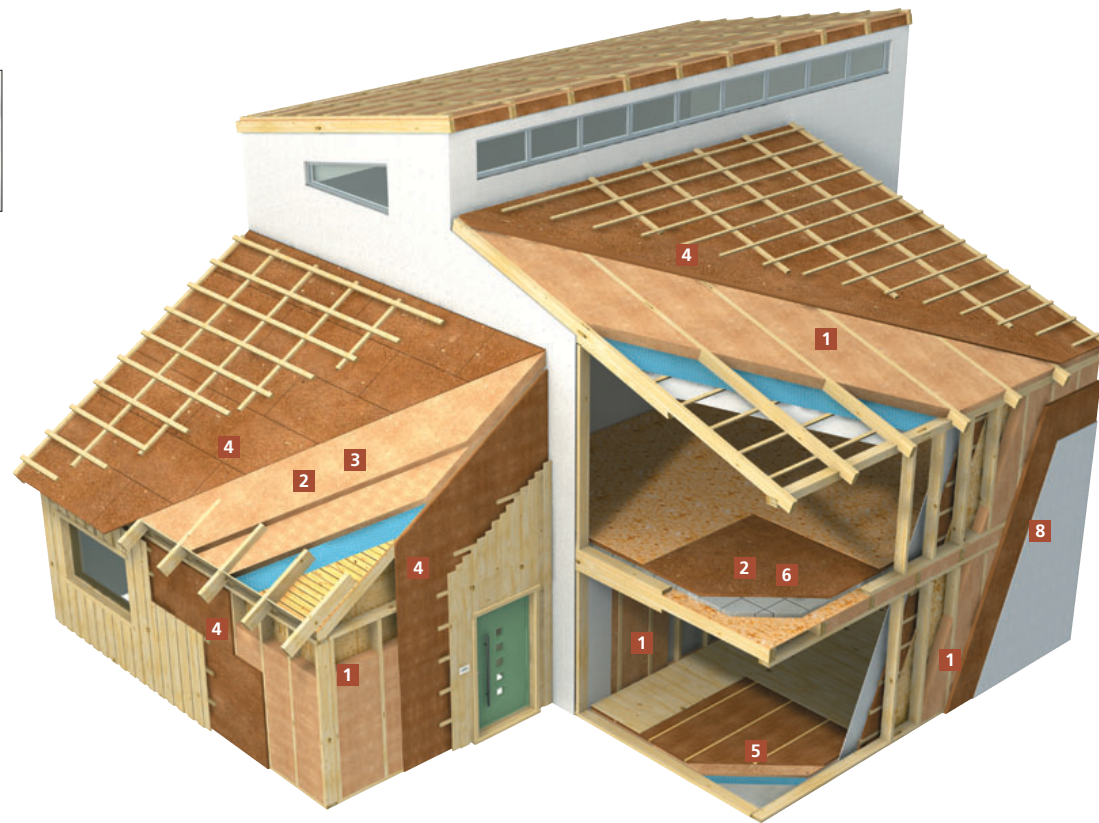


- rigid insulation for wall and flat roof applications
- sub screed insulation
- good compression resistance
- water vapour open for a healthy room climate
- excellent insulation properties
- thickness 20/40/60/80/100 mm
- size 1350 x 600 mm

STEICO top
sarking board



- good compression resistance
- water vapour open
- excellent insulation properties
- thickness 40/60/80/100 mm
- size 1250 x 600 mm



STEICO universal
roof and wall insulation



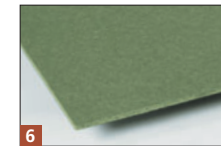
- roof and wall insulation with tongue and groove
- effective protection against wind, dust, moisture and noise
- high compression strength against impact and bending forces
- water vapour open
- less wastage
- thickness 18/21/24/35/52 mm
- size 2500 x 750 mm

STEICO floor
floor insulation system



- for solid wooden floors without acoustic bridging
- heat and impact sound insulation for various types of floors
- with tongue and groove profile and fitting batten
- water vapour open
- excellent insulation properties
- thickness 40/60 mm
- size 1200 x 380 mm

STEICO underfloor
underlay for parquet and laminate floorings



- acoustic insulation against impact sound
- improvement of the acoustics and footfall comfort
- high compression strength
- thickness 4,0/5,0/7,0 mm
- size 790 x 590 mm

STEICO standard
multi-purpose wood fibre board



- board for interior works on roof, wall and floor constructions
- high compression strength
- water vapour open for a healthy room climate
- thickness 8/10/12/15/19 mm
- size 1200 x 1000/2500 x 1200 mm



- ecological renderboard made from natural wood fibres
- excellent waterproofing
- excellent thickness swelling properties and water vapour transmission values
- very high compression strength
- thickness 40/60/80/100 mm
- size 1300 x 590/2600 x 1180/2600 x 1250 mm

Whether you are constructing a floor, ceiling, wall or roof – the STEICO system provides a total building solution. These multi-purpose products compliment one another and provide safety and well-being in many constructions because of their water vapour open structure.



SIZES *	STEICO flex flexible insulation	STEICO therm rigid insulation	STEICO top sarking board	STEICO universal roof and wall insulation	STEICO floor floor insulation system	STEICO underfloor underlay for parquet and laminate floorings	STEICO standard multi-purpose wood fibre board
thickness [mm]	40 to 200	20 to 100	40 to 100	18 to 52	40 and 60	4 to 7	(8) 10 to 19
length [mm]	1220	1350	1250	2500	1200	790	(1200) 2500
width [mm]	575/625 (670)**	600	600	750	380	590	(1000) 1200
surface per pallet [m ²]				1,87	0,45		
net surface per pallet [m ²]	0,70 (0,80)	0,81	0,75	1,83	0,43	0,46	(1,2) 3,0
CHARACTERISTICS ***							
thermal conductivity lambda [mW/m*K]	39	42	43	52	42	50	50
guaranteed compressive tension [kPa]		40	60	200	40	150	150
water absorption [kg/m ²]				1,0			
acoustic impedance per unit length [kPa*s/m ²]	5	100	10	100	100		
fire class according to EN 13501-1	E	E	E	E	E	E	E
building materials class according to DIN 4102	B2	B2	B2	B2	B2	B2	B2
GENEREL APPLICATIONS ***							
roof, external insulation, under covering		✗	✗	✗			
roof, external insulation, under sealing				✗			
roof, cavity insulation	✗	✗	✗				
roof, interior insulation, underside	✗	✗	✗	✗	✗		✗
wall, exterior insulation, under linings ****		✗	✗	✗			
wall, timber construction	✗	✗	✗	✗	✗		✗
wall, interior insulation	✗	✗	✗		✗		✗
wall, partition wall insulation	✗	✗	✗		✗		✗
ceiling, floor	✗	✗		✗	✗	✗	✗

* additional formats and thicknesses available per request – acceptance on custom products minimum 60 m²

** also available as an angle fillet

*** you will find standard technical information on www.steico.com

**** wall construction with plastered façade, see: www.inthermo.de