

Environmentally-Friendly Building Products from Renewable Resources

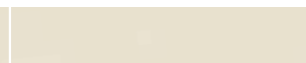
Product range overview



We care about *your well-being*



STEICO
natural building products



WOOD AND HEMP – NATURE'S ETERNAL GIFTS

As a sustainable building material, wood is known for its excellent qualities, both thermal and ecological. Decades of experience and innovative engineering processes have been combined to take advantage of the natural insulation properties of wood as a raw material.

Hemp as a annual plant uses solar energy in an ideal way and makes an immediate contribution to the reduction of CO₂ emissions.

STEICO – NATURAL PRODUCTS FOR HEALTHY BUILDINGS

STEICO products are innovative building materials that offer long-term performance, increase the comfort of living and help to visibly increase the energy efficiency in buildings. STEICO products are especially economical and environmentally-friendly as they are produced from sustainable resources. Whether for engineered timber elements or insulation materials, roofing boards or wall panels, STEICO offers a suitable product for each building application!

All STEICO products benefit from the properties of the natural materials that they are made from. The natural fibre insulation materials, for example, are distinctive as they offer diffusion qualities that contribute to a healthy indoor climate. The joists, used as construction elements, also follow nature's examples and combine lean design and lightweight properties with a high load capacity.

All products are easy to handle, non-allergenic and durable, i.e. building materials for future generations.



WARM IN WINTER – COOL IN SUMMER

Worldwide more energy is used for cooling buildings than for heating them. Based on this it is reasonable to appraise the efficiency of an insulation product not only for its ability to prevent energy loss in winter months but also for its protection from heat ingress during the summer months. STEICO products provide a low thermal conductivity combined with a high heat storage capacity. Due to these special features one can achieve both a comfortable cool environment in summer and a comfortable warm environment in winter.



PRO ENVIRONMENT – PRO LIVING!

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

STEICO's complete product range made out of wood is certified by the FSC® (Forest Stewardship Council). In addition, many insulation boards of the STEICO Building System carry the natureplus® mark – the European quality mark for environmentally-friendly, healthy and functional building products.



STEICO *flex*

flexible thermal insulation from wood



1

- For cavity insulation in roofs, walls and floors; good compression resistance
- Easy machining without special tools
- Water vapour open for a healthy room climate

STEICO *canaflex*

flexible thermal insulation from hemp



1

- For cavity insulation in roofs, walls and floors
- Easy machining
- Water vapour open for a healthy room climate

STEICO *therm*

rigid insulation



2

- Rigid insulation for applications on walls and roofs
- Sub screed insulation

STEICO *universal*

sarking and sheathing boards



3

- Roof and wall insulation with a tongue and groove profile
- Effective protection against wind, dust, moisture and sound

STEICO *special*

sarking and sheathing boards



3

- Water vapour open insulation board for the renovation of walls and roof – with a triple function
- Durability provided by double profile

NATURAL PRODUCTS FOR HEALTHY BUILDINGS

STEICO-UK product range at a glance



STEICO
natural building products

STEICO *wall*

I-Joist Building System for walls



8

- Economic solution for highly insulated constructions
- Load-bearing building component especially for walls

STEICO *joist*

I-Joist Building System for floors & roofs



7

- Economic solution for highly insulated constructions
- Load-bearing building component for roofs, floors & walls

STEICO *ultralam*™

Talleon Terra Laminated Veneer Lumber



6

- High strength to weight ratio, dimensional stability
- Easily cut and machined using traditional tools

STEICO *floor*

floor insulation system



4

- For solid wooden floors to avoid acoustic bridging
- Heat and impact sound insulation for various types of floors

STEICO *protect*

external thermal insulation composite system



5

- Ecological renderboard made from natural wood fibres
- According to European Guidelines

STEICO PRODUCTS OVERVIEW

Whether you are constructing a floor, ceiling, wall or roof – the STEICO system provides a total building solution.



Sizes *								
Thickness [mm]	40 to 240	40 to 240	20 to 160	21 to 52	60 to 120		40 and 60	40 to 160
Length [mm]	1,220*	1,200*	1,350	2,500	1,880		1,220	1,325 - 2,600
Width [mm]	575	575	600	600	600		380	600 - 1,250
Surface per board [m²]	0.70	0.69	0.81	1.43	1.07		0.43	0.77 - 3.25
Characteristics **								
Thermal conductivity λ_D [W/(m*K)]	0.038	0.043	0.039	0.048	0.046		0.039	0.042 - 0.048
Density [kg/m³]	50	40	160	270	240		160	190 - 265
Minimum compression strength [kPa]			50	200	100		40	50 - 180
Declared level of airflow resistance [kPa*s/m²]	5	5	100	100	100		100	100
Fire class according to EN 13501-1	E	E	E	E	E		E	E
General Applications **								
Roof, external insulation, under covering			✗	✗	✗			✗
Roof, external insulation, under felt				✗	✗			✗
Roof, cavity insulation	✗	✗	✗					
Roof, interior insulation, inside	✗	✗	✗	✗	✗		✗	✗
Wall, exterior insulation, underneath lining	✗	✗	✗	✗	✗			✗
Wall, timber construction	✗	✗	✗	✗	✗		✗	✗
Wall, interior insulation	✗	✗	✗				✗	✗
Wall, partition wall insulation	✗	✗	✗				✗	
Ceiling, floor	✗	✗	✗	✗	✗		✗	✗

19 to 109
up to 20.500
up to 1.250
STEICOultralam R for rectangular cross sections
STEICOultralam X with crosswise glued veneers
Beams, studs and boards for use in non- bearing drywall constructions and for functional components

	SJ 45	SJ 60	SJ 90	SW 45	SW 60	SW 90
joist height [mm]	-	-	-	160	160	-
	200	200	200	200	200	-
	220	220	220	-	-	-
	240	240	240	240	240	240
	300	300	300	300	300	300
	360	360	360	360	360	360
	-	400	400	-	400	400
joist length	up to 16 meters					
	available fully insulated					
	Load-bearing building component for roofs, floors & walls		Load-bearing building component especially for walls			

* additional formats and thicknesses available per request – minimum order of 60 m³ required
** you will find standard technical information on our web page www.steico.com

THE PRODUCTION – TRADITION AND INNOVATION FOR MODERN BUILDING SOLUTIONS

STEICO trades worldwide and owns Europe's largest manufacturing facilities for the production of high-quality Natural Fibre Board products (NFB). STEICO products are designed to reduce thermal bridging, offer an optimum interior climate, save energy the ecological way and to reduce heating costs. As a producer of wood and hemp based building materials STEICO pays particular attention to the environment and health issues. We are committed to meet the needs of the present without compromising the needs of the future generations with products that perform in function and quality.

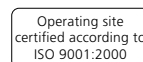
All STEICO insulation materials made from natural wood fibres are manufactured according to the demanding European standards EN13171 and EN622-4. Insulation made from hemp is produced and supervised according to ETA-06/0040 and Z-23.16-1598. The highest product quality is ensured through ongoing internal quality control and external control through recognized European institutes. The quality management for production of STEICO wood fibreboards is certified according to ISO 9001:2000.

CERTIFIED FOR ENVIRONMENTALLY-FRIENDLY QUALITY

STEICO AG is the first manufacturer of insulation boards to be certified by the FSC® for its complete product range of wood fibre based insulation materials. The FSC® (Forest Stewardship Council) promotes a sustainable and economically viable management of the world's forests. In this way we do our part to preserve the world of tomorrow. No deforestation, no biocides; instead preservation and increased biodiversity.

Almost the entire range of STEICO products is certified with the European quality mark natureplus®, which 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 its use. Strict demands and strenuous testing guarantee the highest levels of quality. Therefore, natureplus® has partnered among others with the following scientific institutions:

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



Your STEICO partner

www.steico.com