

Environmentally-Friendly Building Products from Renewable Resources

Product range overview

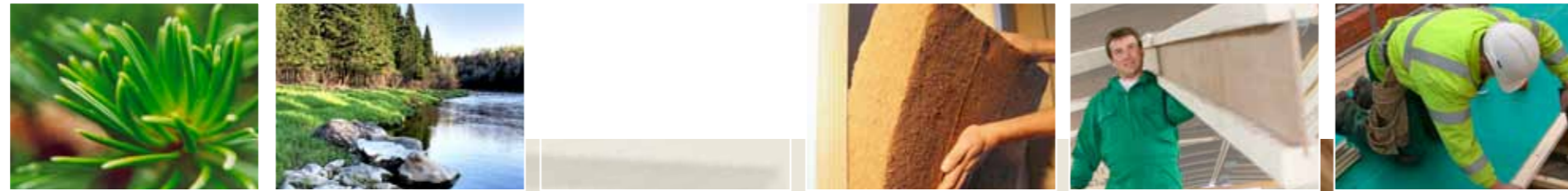


We care about

your well-being



STEICO
natural building products



WOOD – NATURE’S ETERNAL GIFT

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.

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, 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.

The entire range of Steico Insulation products are certified by FSC®, ensuring sustainable traceability of the raw wood fibre materials. In addition, the insulation boards also carry the seal of approval from the Passivhaus Institute and the Institute for Building Biology (IBR), Rosenheim, both of whom acknowledge the high energy efficiency performance gained by using Steico products in many building applications.



STEICO universal
sarking and sheathing boards



- Roof and wall insulation with a tongue and groove profile
- Effective protection against wind, dust, moisture and sound
- Also available as STEICO universal dry

STEICO special
insulation boards for renovations



- Water vapour open insulation board for the renovation of walls and roof – with a triple function
- Also available as STEICO special dry

STEICO flex
flexible thermal insulation from wood



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

STEICO joist / wall
I-Joist Building System for floor, roofs & walls



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

STEICO tradejoist
I-Joist Building System for floors & roofs



- Load-bearing building component for floors and flat roofs
- Simple selection guide for everyday building

STEICO LVL
Laminated Veneer Lumber



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

STEICO zell
air injected insulation



- Joint free insulation
- no additional on-site cutting

STEICO therm
rigid insulation



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

STEICO internal
internal insulation from wood fibres



- Water vapour open internal insulation board
- T&G profile provides improved support

STEICO top
insulation for Attic Floors



- Fit for light footfall without secondary boarding
- Special high resistant surface finish

STEICO floor
floor insulation system



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

STEICO underfloor
underlay for wood and laminate flooring



- Improvement of the acoustics on parquet and laminate floorings

STEICO protect
external thermal insulation composite system



- Ecological renderboard made from natural wood fibres
- Also available as STEICO protect dry
- Part of a BBA approved EWI System

STEICO sprucefloor
Plywood flooring panels



- Available with a peel-off waterproof protective surface.
- Full range of fixing accessories supplied

STEICO dek
P5 structural flooring



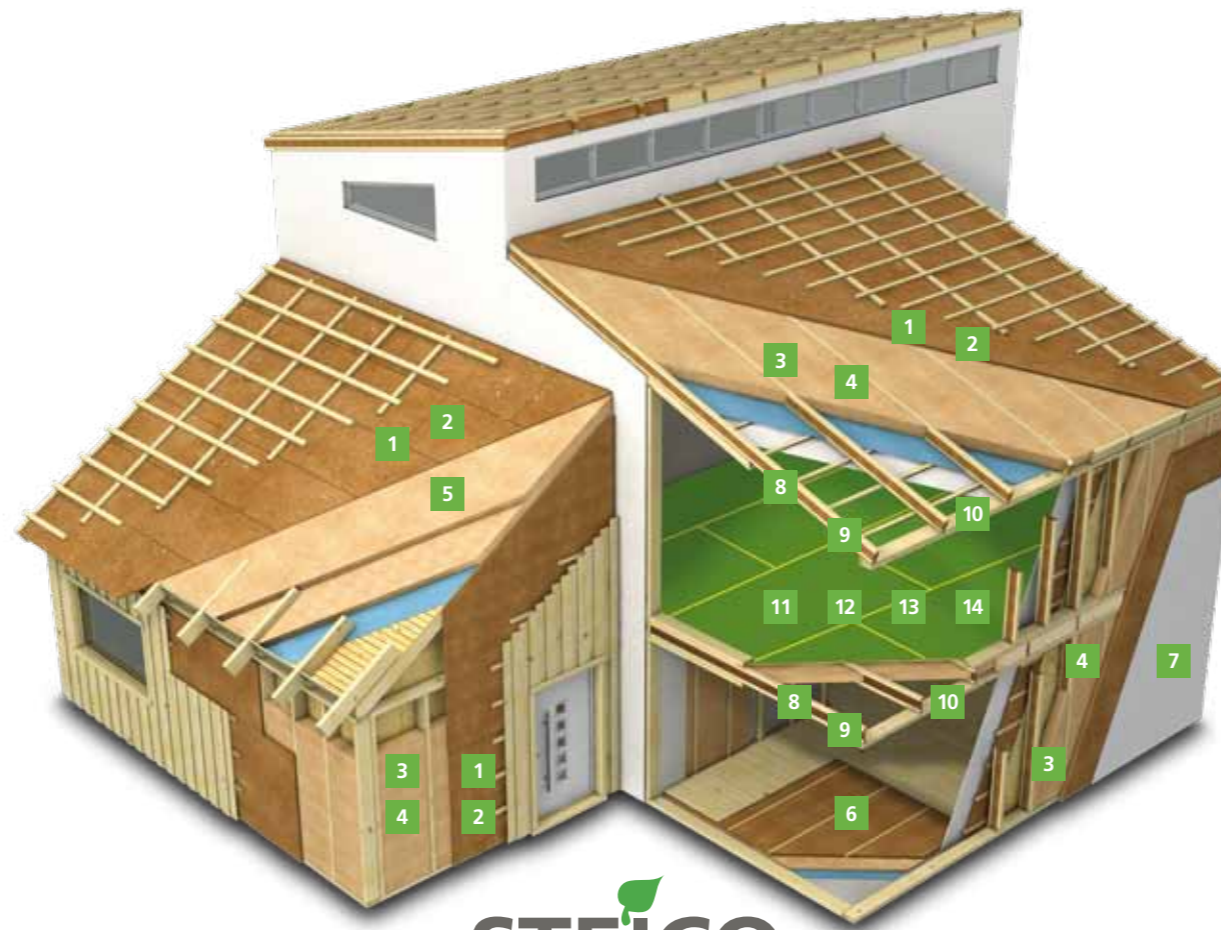
- Quality load bearing and moisture resistant particle-board floor decking
- For domestic and light commercial use

STEICO weatherprotect
P5 sealed surface flooring



- A structural particleboard floor decking with a permanent waterproof surface protection

NATURAL PRODUCTS FOR HEALTHY BUILDINGS



STEICO
natural building products

STEICO PRODUCTS OVERVIEW

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



Sizes *														
Thickness [mm]	20 to 240	40 and 60	40 to 80	20 to 100	60 to 240	60 to 200	120 to 200	80 and 100		20 to 200	4 to 7	22 to 60	35 to 100	variable
Length [mm]	1220*	1200	1.200	1325-2800	1325 - 2800	1880	1880	1200		1350	790	2500/2800	1880/2500	variable
Width [mm]	575/(670**)	380	380	600-1250	600 - 1250	600	600	400		600	590	600/1250	600	variable
Surface per board [m²]	0.70/(0.81)	0.43	0.43	0.75-3.50	0.75 - 3.50	1.07	1.07	0.48		0.81	0.47	1.42/3.50	1.07/1.42	variable

Characteristics **														
Thermal conductivity λ_D [W/(m*K)]	0.038	0.039	0.039	0.046 - 0.048	0.037 - 0.041	0.046	0.041	0.041		0.038	0.050	0.048	0.045 / 0.043	0.038
Density [kg/m³]	ca. 50	ca. 160	ca. 160	ca. 230-265		ca. 240	ca. 140	ca. 140		ca. 160	ca. 250	ca. 270	ca. 210/180	ca. 40
Minimum compression strength [kPa]		40	40	100-180	ca.110-140	100	100	70		50		200	200	
Declared level of airflow resistance [kPa*s/m²]	5	100	100			100	100	100		100		100	100	5
Fire class according to EN 13501-1	E	E	E	E	E	E	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	✗	✗		✗	✗	✗	✗	✗		✗	✗	✗	✗	✗

21 to 90	3 and 6
18000	up to 1220
up to 1250	up to 3050

STEICO LVL R for rectangular cross sections

STEICO LVL 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	TJ 60	
joist height [mm]	-	-	-	160	160	-	-	-	
	200	200	200	200	200	-	-	-	
	220	220	220	-	-	-	220	-	
	240	240	240	240	240	240	-	-	
	-	280	280	-	280	-	-	-	
	300	300	300	300	300	300	-	-	
	360	360	360	360	360	360	-	-	
	400	400	400	-	400	400	-	-	
joist length	-	450	450	-	-	-	-	-	
	-	500	500	-	-	-	-	-	
	up to 16 metres							3.6m 4.8m 6.0m	
available fully insulated									
	Load-bearing building component for roofs, floors & walls	Load-bearing building component especially for walls	Load-bearing building component for floors & flat roofs						

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



We spend approx. 80 % of our lives in enclosed rooms. But are we always aware what we are surrounding ourselves with? STEICO has set itself the target of developing building products which consider the needs of both man and nature. Our products are therefore produced using sustainable natural materials. They help reduce energy use and add considerably to a natural healthy internal climate.



STEICO insulation and construction materials, carry a number of distinguished 'seals of approval' which is a sign of high quality, healthy and functional building products. The raw materials used in Steico products are certified by FSC® (Forest Stewardship Council) and PEFC® (Programme for the Endorsement of Forest Certification), ensuring a traceable and fully sustainable usage of the raw materials. STEICO, the number 1 choice for your sustainable building solutions.

Natural Insulation and Construction systems for new builds and renovations – Roof, Ceiling, Wall and Floor

	Renewable raw materials without harmful additives		Excellent heat insulation in winter		Excellent summer heat protection		Energy Saving and increased property worth
	Weather tight and breathable		Excellent Fire Protection		Excellent sound protection		Environmentally friendly and recyclable
	Light and easy to handle		Insulation for healthy living		Strong quality control		Compatible insulation and structural building systems



Printed on FSC® certified paper | Date 05 / 2015. Valid to subsequent revisions.



Your STEICO Dealer

www.suncoamerica.com