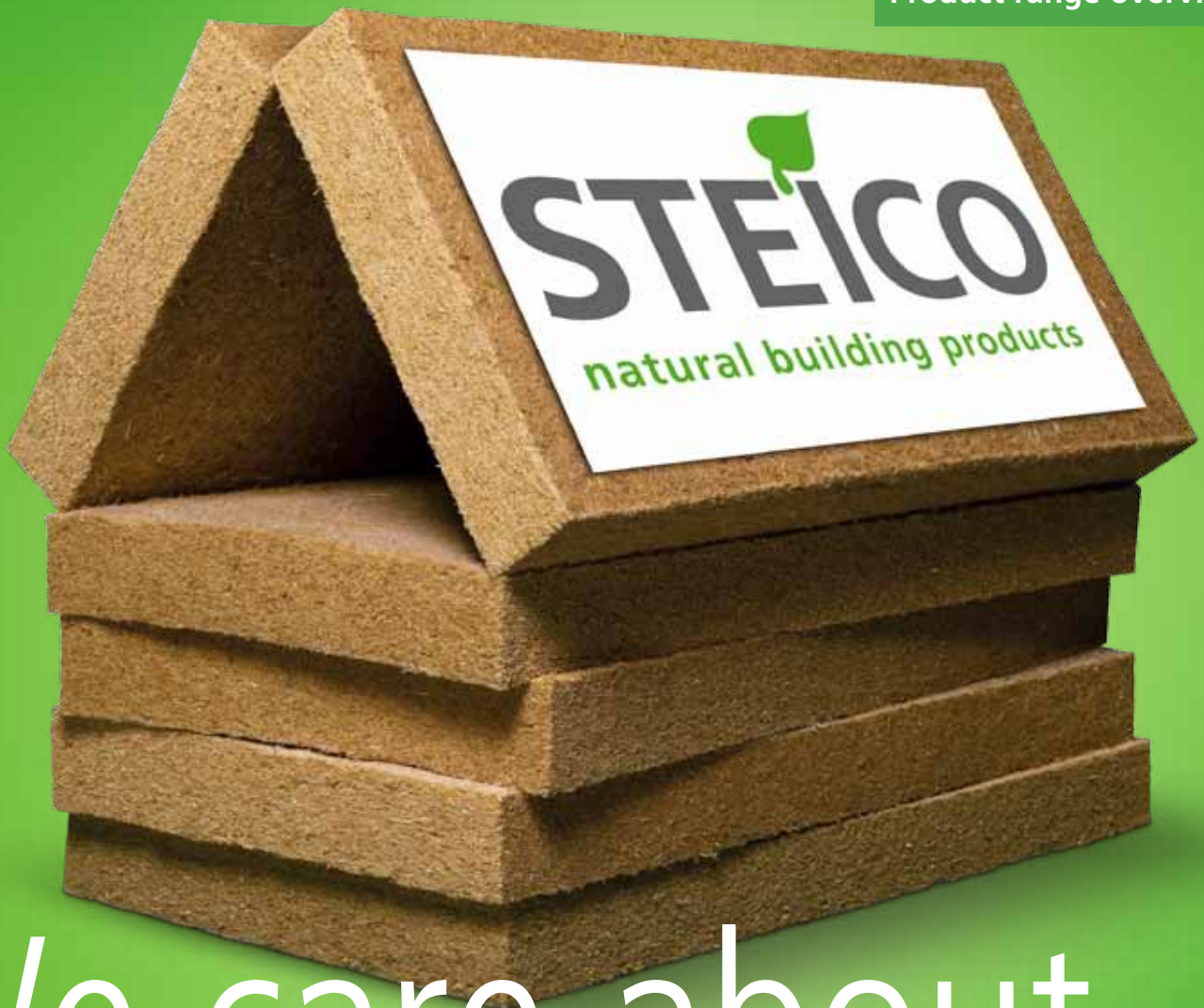


# Environmentally-Friendly Building Products from Renewable Resources

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.

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.



# NATURAL PRODUCTS F

## STEICOzell

air injected insulation



- Joint free insulation
- no additional on-site cutting

## STEICOflex

flexible thermal insulation from wood



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

## STEICOuniversal

sarking and sheathing boards



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

## STEICOspecial

Insulation boards for renovations



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

## STEICOtherm

rigid insulation



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

## STEICOtop

Insulation for Attic Floors



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

## STEICOprotect

external thermal insulation composite system



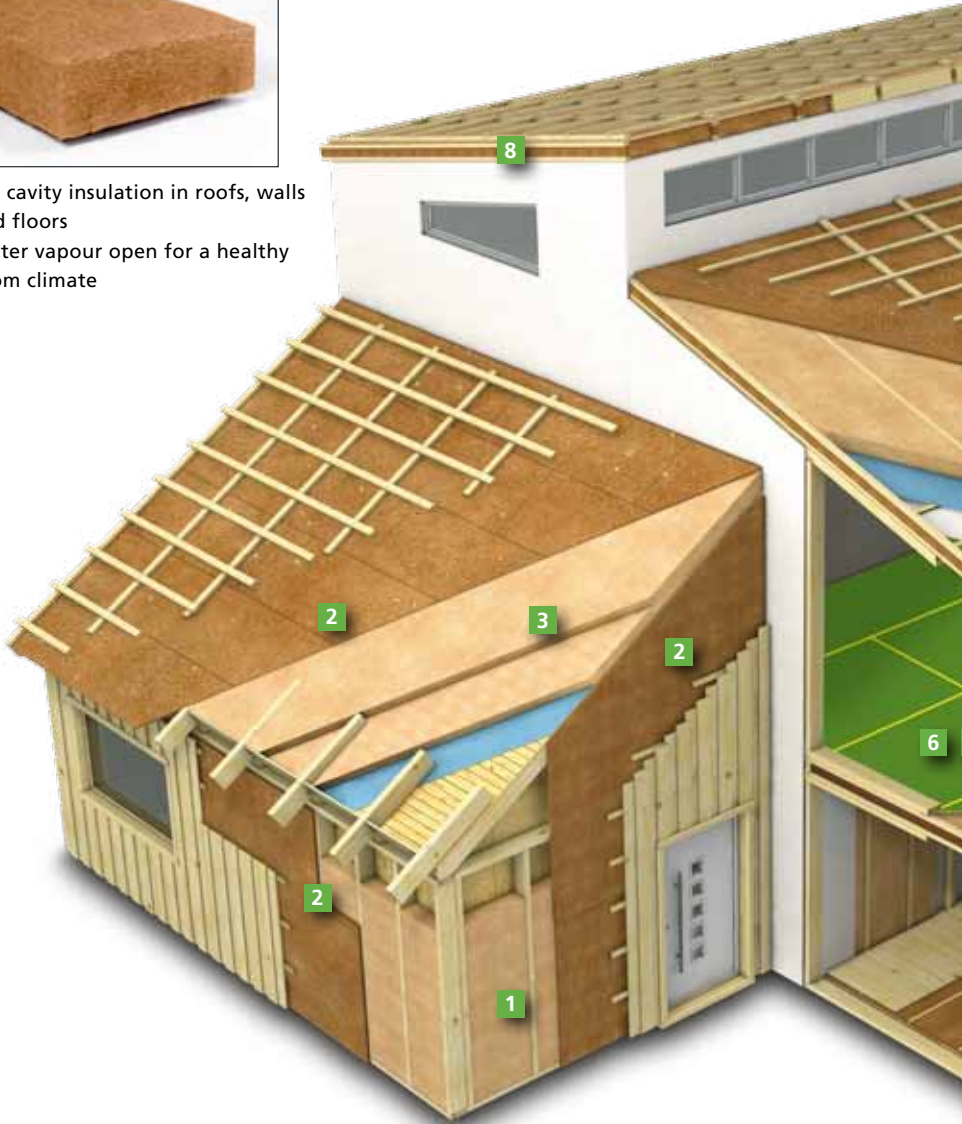
- Ecological renderboard made from natural wood fibres
- According to European Guidelines

## STEICOfloor

floor insulation system

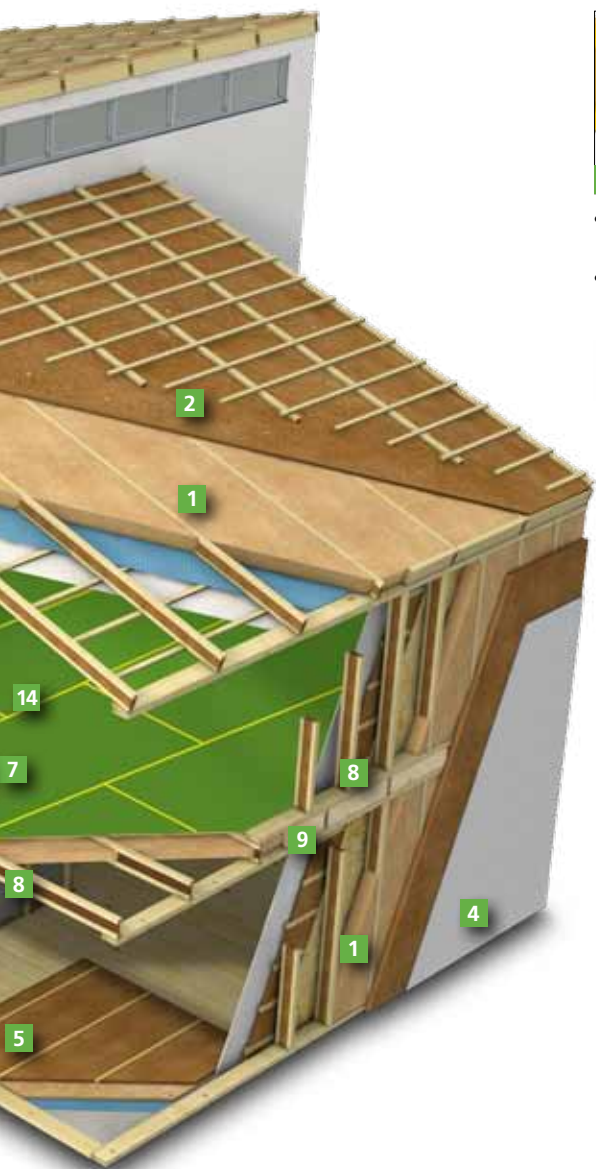


- For solid wooden floors to avoid acoustic bridges
- Heat and impact sound insulation for various floor constructions





# OR HEALTHY BUILDINGS



## 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 *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 *ultralam*™

Taleon Terra Laminated Veneer Lumber



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

## ICO *weatherprotect*

surface flooring



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

## STEICO *weatherdek*

P5 peel-off protected flooring



- A structural particleboard floor decking with peel off waterproof surface protection

## STEICO *underfloor*

underlay for parquet and laminate flooring



- Improvement of the acoustics on parquet and laminate floorings

## STEICO *dek*

P5 structural flooring



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

## STEICO *sprucefloor*

Plywood flooring panels



- High quality Finnish spruce plywood flooring for domestic or light commercial applications.
- Available with a peel off protected surface

oor



Floors to  
ing  
ound  
ous types of

## 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 160	60 to 120	60 to 120	
Length [mm]	1220 ♦	1220	1325 - 2600	1880	1800	
Width [mm]	575 / (670 ♦♦)	380	615 - 1.250	600	600	
Surface per board [m²]	0.70 / (0.81)	0.43	0.77 - 3.25	1.07	1.02	
Characteristics ♦♦						
Thermal conductivity $\lambda_D$ [W/(m*K)]	0.038	0.039	0.042 - 0.048	0.046	0.041	
Density [kg/m³]	ca. 50	ca. 160	ca. 190 - 265	ca. 240	ca. 140	
Minimum compression strength [kPa]		40	50 - 180	100	100	
Declared level of airflow resistance [kPa*s/m²]	5	100		100	100	
Fire class according to EN 13501-1	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	✗	✗	✗	✗	✗	

♦ 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](http://www.steico.com)

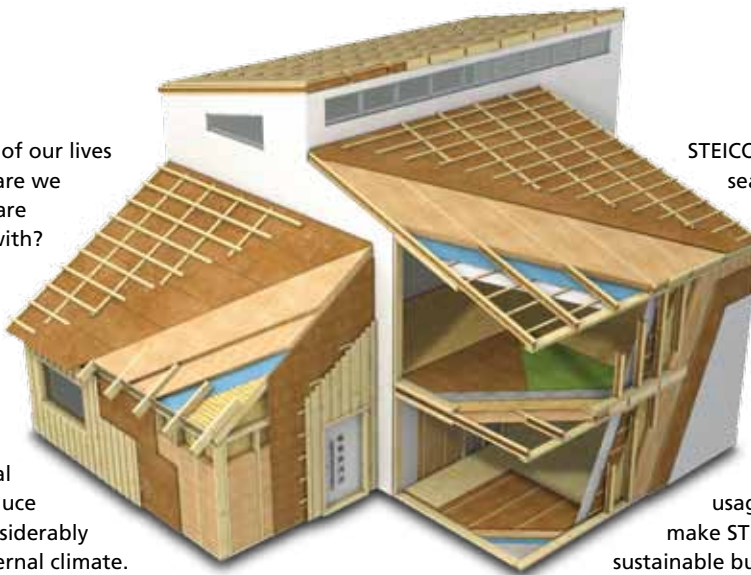


	80 and 100	20 to 200	3.6 to 7	22 to 60	variable
	1200	1350	590/790	2500	variable
	400	600	395/590	600	variable
	0.48	0.81	0.46	1.43	variable
	0.041	0.039	0.050	0.048	0.038
	ca. 140	ca. 160	ca. 250	ca. 270	ca. 40
	70	50	250	200	
	100	100		100	5
	E	E	E	E	E
	×	×		×	
				×	
		×			×
		×		×	×
	×	×		×	×
	×	×		×	×
		×			×
		×		×	×
	×	×	×	×	×

19 to 106
up to 20.500
up to 1.250
STEICO <i>ultralam R</i> for rectangular cross sections
STEICO <i>ultralam X</i> 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	–
	300	300	300	300	300	300	–
	360	360	360	360	360	360	–
	–	400	400	–	400	400	–
joist length	up to 13 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						

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 products carry the natureplus™ seal of approval, which is a sign of High Quality, Healthy and Functional Building products. natureplus™ ensures that products are produced from sustainable raw materials, use minimum energy and have low emissions during their manufacture, and also help fix CO<sub>2</sub>. FSC® certification also ensures a traceable and fully sustainable usage of raw materials. All this helps make STEICO the number one choice for 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



Operating site certified according to ISO 9001:2008

Member of WWF Global Forest & Trade Network