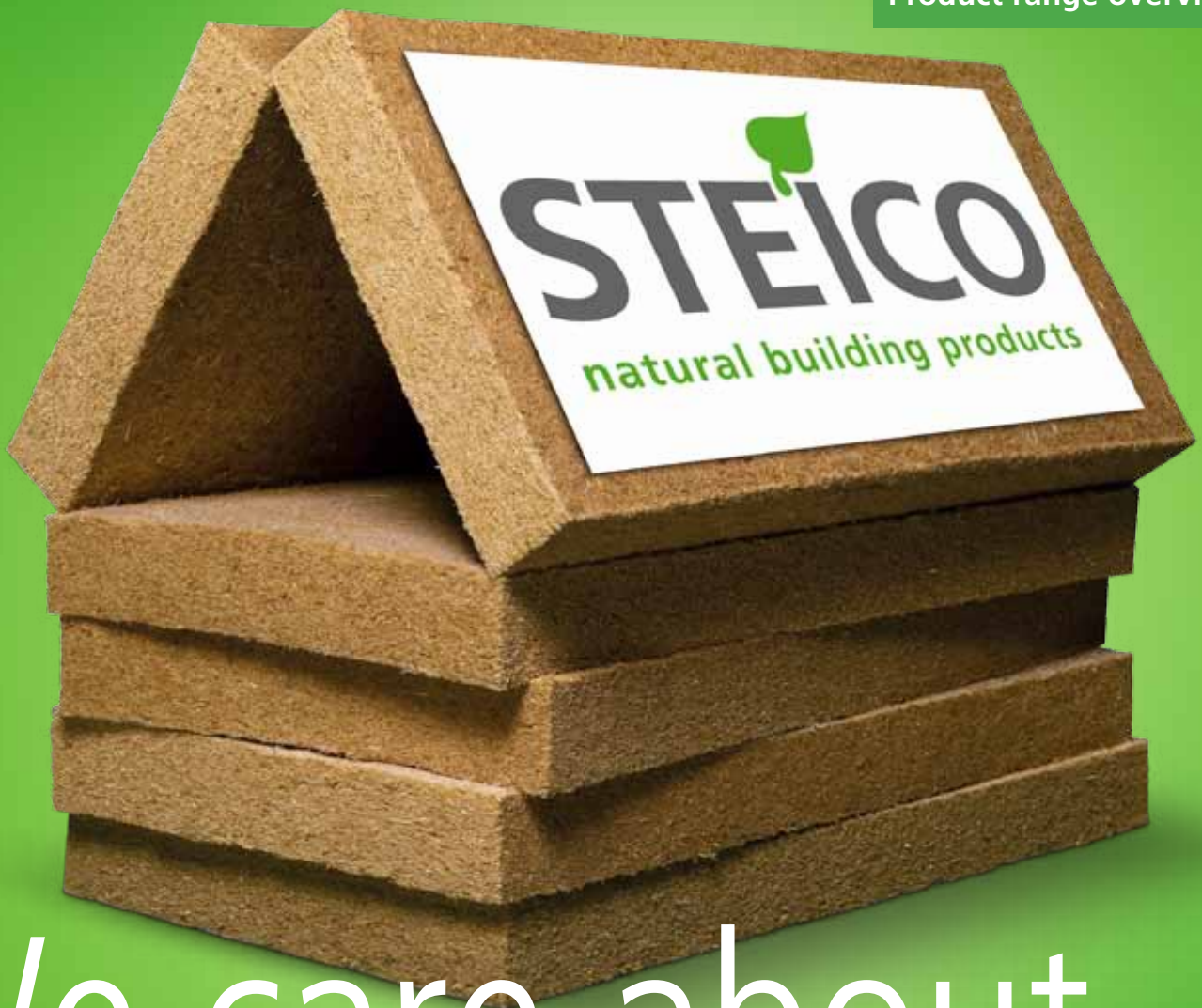


# Environmentally-Friendly Building Products from Renewable Resources

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 an annual plant uses solar energy in an ideal way and makes an immediate contribution to the reduction of CO<sub>2</sub> 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.



# NATURAL PRODUCTS F

## STEICO flex

flexible thermal insulation from wood



1

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

## STEICO canaflex

flexible thermal insulation from hemp



2

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

## STEICO therm

rigid insulation



3

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

## STEICO universal

sarking and sheathing boards



4

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

## STEICO special

sarking and sheathing boards



5

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

## STEICO protect

external thermal insulation composite system



6

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

## STEICO floor

floor insulation system



7

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

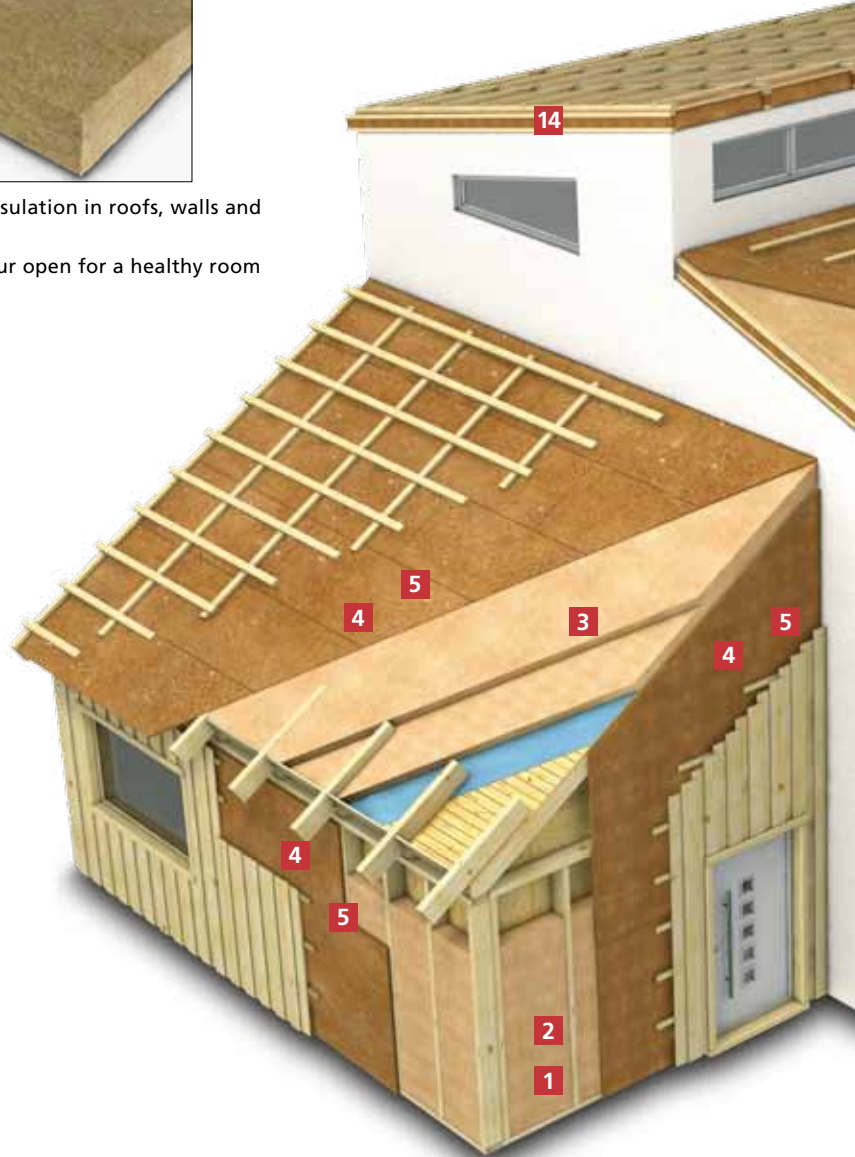
## STEICO underlay

underlay for parquet and

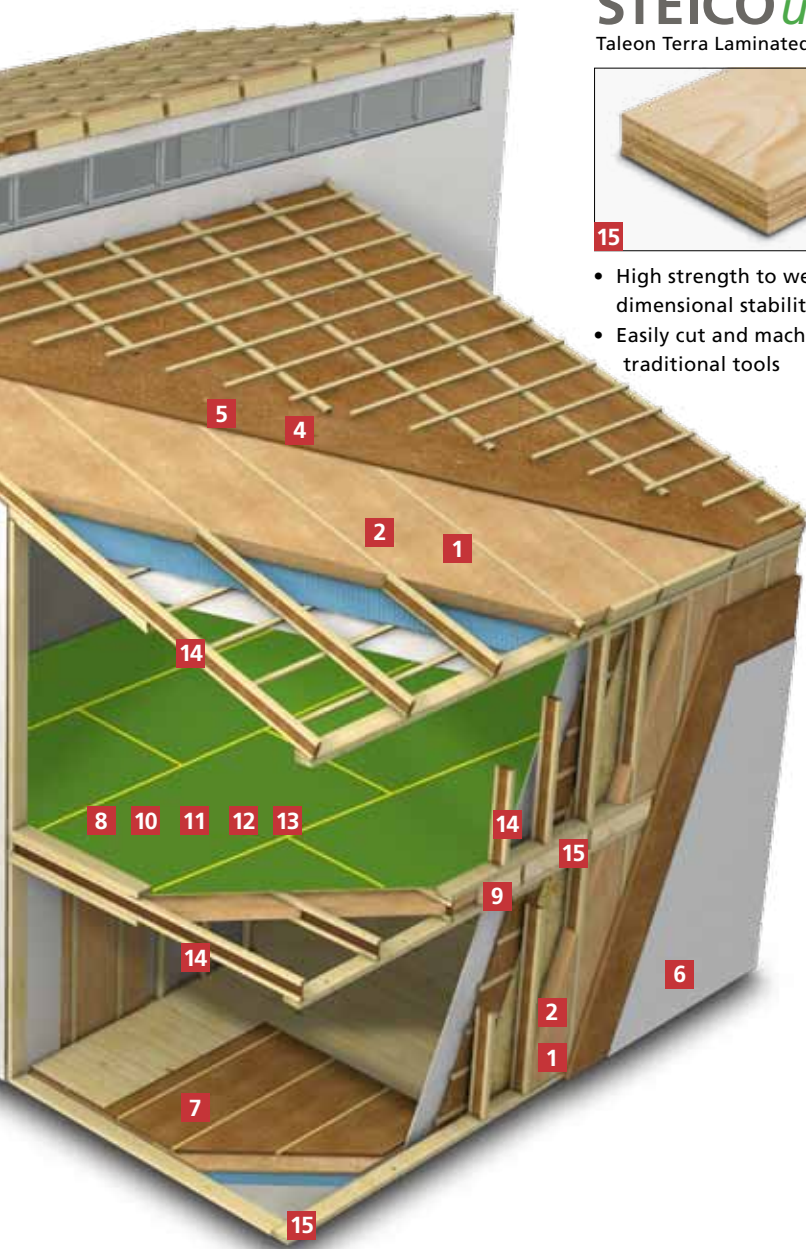


8

- Improvement of thermal and acoustic insulation on parquet and floorings



# OR HEALTHY BUILDINGS



## STEICO *ultralam*™ Taleon Terra Laminated Veneer Lumber



15

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

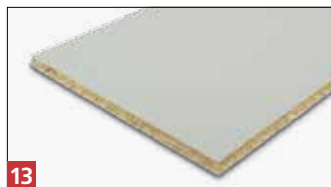
## STEICO *joist / wall* I-Joist Building System for floor, roofs & walls



14

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

## STEICO *protectadek* P5 sealed surface flooring



13

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

## STEICO *weatherdek* P5 peel-off protected flooring



12

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

## Underfloor STEICO *glulam* Structural beams



the acoustics  
 laminate



9

- Structural engineered elements made from timber for use as Joists, beams, rim boards and many other exacting applications.

## STEICO *dek* P5 structural flooring



10

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

## STEICO *sprucefloor* Plywood flooring panels



11

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

## STEICO PRODUCTS OVERVIEW

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

**STEICO canaflex**  
flexible thermal insulation from hemp

**STEICO flex**  
flexible thermal insulation from wood

**STEICO floor**  
floor insulation system

**STEICO protect**  
external thermal insulation composite system

**STEICO special**  
sarking and sheathing boards

### Sizes ♦

Thickness [mm]	40 to 240	40 to 240	40 and 60	40 to 160	60 to 120	
Length [mm]	1,200♦	1,220♦	1,220	1,325 - 2,600	1,880	
Width [mm]	575	575	380	600-1,250	600	
Surface per board [m <sup>2</sup> ]	0.69	0.70	0.43	0.77 - 3.25	1.07	

### Characteristics ♦♦

Thermal conductivity $\lambda_D$ [W/(m*K)]	0.043	0.038	0.039	0.042 - 0.048	0.046	
Density [kg/m <sup>3</sup> ]	40	50	160	190 - 265	240	
Minimum compression strength [kPa]			40	50 - 180	100	
Declared level of airflow resistance [kPa*s/m <sup>2</sup> ]	5	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 m<sup>3</sup> required

♦♦ you will find standard technical information on our web page [www.steico.com](http://www.steico.com)

**STEICO therm**  
rigid insulation

**STEICO underfloor**  
underlay for parquet and laminate flooring

**STEICO universal**  
sarking and sheathing boards

**STEICO ultralam™**  
Taleon Terra Laminated Veneer Lumber

**STEICO joist**  
I-Joist Building System for floors & roofs

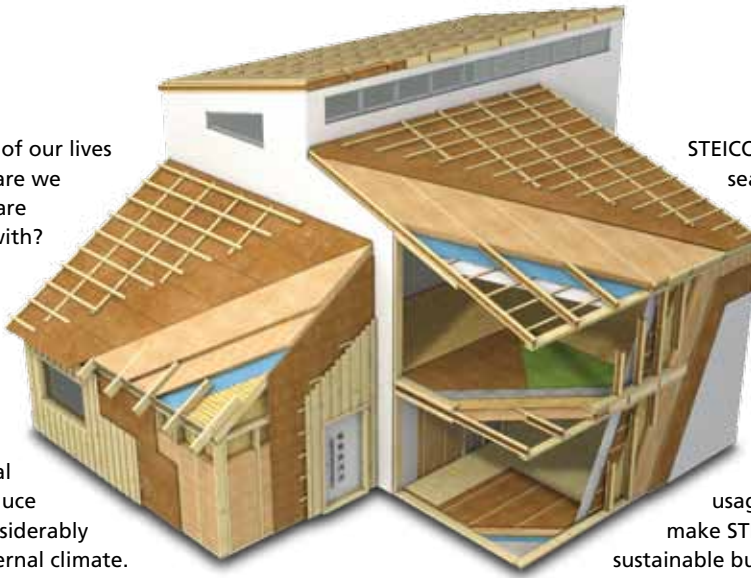
**STEICO wall**  
I-Joist Building System for walls

	20 to 160	4 to 7	21 to 52
	1,350	790	2,500
	600	590	600
	0.81	0.46	1.43
	0.039	0.050	0.048
	160	250	270
	50	150	200
	100		100
	E	E	E
	✗		✗
			✗
	✗		
	✗		✗
	✗		✗
	✗		✗
	✗		✗
	✗	✗	✗

	19 to 109
	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
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		

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 Wood Group



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**STEICO**  
natural building products

Your STEICO Dealer

[www.steico.com](http://www.steico.com)