Environmentally-Friendly Building Products from Renewable Resources

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.
**Natural Products for Healthy Buildings**

1. **STEICO universal**
   - Suitable for attic floors
   - Roof and wall insulation with a tongue and groove profile
   - Effective protection against wind, dust, moisture and sound
   - Also available as STEICO universal dry

2. **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

3. **STEICO flex**
   - Flexible thermal insulation from wood
   - For cavity insulation in roofs, walls and floors
   - Water vapour open for a healthy room climate

4. **STEICO joist / wall**
   - Joist-building system for floors, roof & walls
   - Economic solution for highly insulated constructions
   - Load-bearing building component for floors, roofs & walls
   - Simple selection guide for everyday building

5. **STEICO tradejoist**
   - Joist-building system for floors & roofs
   - Load-bearing building component for floors and flat roofs
   - High strength to weight ratio, dimensional stability
   - Easily cut and machined using traditional tools

6. **STEICO zell**
   - Joint free insulation
   - No additional on-site cutting

7. **STEICO therm**
   - Rigid insulation for applications on walls and roofs
   - Sub screed insulation

8. **STEICO internal**
   - Internal insulation from wood fibres
   - Water vapour open internal insulation board
   - T&G profile provides improved support

9. **STEICO top**
   - Insulation for attic floors
   - Fit for light footfall without secondary boarding
   - Special high resistant surface finish

10. **STEICO floor**
    - Floor insulation system
    - For solid wooden floors to avoid acoustic bridging
    - Heat and impact sound insulation for various types of floors

11. **STEICO underfloor**
    - Waterproof for wood and laminate flooring
    - Improvement of the acoustics on parquet and laminate floorings
    - Also available as STEICO protect dry
    - Part of a BBA approved BWP system

12. **STEICO protect**
    - External thermal insulation compact system
    - Ecological renderboard made from natural wood fibres
    - Available with a peel-off waterproof protective surface

13. **STEICO sprucefloor**
    - Plywood flooring panels
    - Full range of fixing accessories supplied
    - Quality load bearing and moisture resistant particle-board floor decking
    - For domestic and light commercial use

14. **STEICO weatherdek**
    - A structural particleboard floor decking with a permanent waterproof surface protection

15. **STEICO LVL**
    - Laminated veneer lumber
    - High strength to weight ratio, dimensional stability
    - Easily cut and machined using traditional tools

16. **STEICO Hardboard HB**
    - General purpose
    - Multipurpose natural fibre board
    - Suitable for DIY, furniture, packaging and temporary structures

17. **STEICO Hardboard HB.H**
    - Oil tempered for increased moisture resistance
    - For use in Walls, Roofs and Floors

18. **STEICO glulam**
    - Structural beams
    - Produced from Nordic Spruce
    - Structural component of the STEICO construction building system

19. **STEICO weatherprotect**
    - A structural particleboard floor decking with a permanent waterproof surface protection

**Sustainable Building Products For Healthy Buildings**

- Eco-friendly and energy-efficient solutions
- Suitable for various applications in construction
- Enhance durability and sustainability
- Contributing to a healthier living environment
| STEICO PRODUCTS OVERVIEW |

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

### Sizes**

<table>
<thead>
<tr>
<th>Sizes (mm)</th>
<th>20 to 250</th>
<th>40 and 60</th>
<th>40 to 80</th>
<th>20 to 100</th>
<th>60 to 200</th>
<th>80 to 200</th>
<th>120 to 200</th>
<th>40 to 100</th>
<th>20 to 200</th>
<th>4 to 7</th>
<th>22 to 60</th>
<th>35 to 100</th>
<th>variable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width (mm)</td>
<td>575/675*</td>
<td>380</td>
<td>380</td>
<td>575-1250</td>
<td>575-1250</td>
<td>575-1250</td>
<td>600</td>
<td>600</td>
<td>400</td>
<td>600</td>
<td>590</td>
<td>600-1250</td>
<td>600</td>
</tr>
<tr>
<td>Surface per board (m²)</td>
<td>0.70/0.81</td>
<td>0.63</td>
<td>0.63</td>
<td>0.75-3.50</td>
<td>0.75-3.50</td>
<td>1.67</td>
<td>1.67</td>
<td>0.68</td>
<td>0.81</td>
<td>0.47</td>
<td>1.42/3.50</td>
<td>1.87/1.82</td>
<td>variable</td>
</tr>
</tbody>
</table>

### Characteristics**

- **Thermal conductivity** (W/(m²K))
  - 0.038
  - 0.039
  - 0.046
  - 0.041
  - 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. 210-265
  - ca. 210-265
  - ca. 210-265
  - 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** (Pa·s/m²)
  - 5
  - 100
  - 100
  - 100
  - 100
  - 100
  - 5

- **Fire class according to EN 13501-1**
  - E
  - E
  - E
  - E
  - E
  - E
  - E
  - E
  - E
  - E

### General Applications**

- **Roof, external insulation, under covering**
  - X
  - X
  - X
  - X
  - X
  - X
  - X
  - X
  - X

- **Roof, external insulation, under felt**
  - X
  - X
  - X
  - X
  - X
  - X
  - X
  - X
  - X

- **Roof, cavity insulation**
  - X

- **Roof, interior insulation, inside**
  - X
  - X
  - X
  - X
  - X
  - X
  - X
  - X
  - X

- **Wall, exterior insulation, underneath lining**
  - X
  - X
  - X
  - X
  - X

- **Wall, interior insulation**
  - X
  - X
  - X
  - X

- **Wall, partition wall insulation**
  - X
  - X
  - X

- **Ceiling, floor**
  - X
  - X
  - X

* *additional formats and thicknesses available on request – minimum order of 60 m² required*

**you will find standard technical information on our web page www.steicoamerica.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
- 1-2-3...
- Light and easy to handle
- Insulation for healthy living
- Strong quality control
- Energy Saving and increased property worth
- Environmentally friendly and recyclable
- Compatible insulation and structural building systems

Your STEICO Dealer

www.suncoamerica.com

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