



Nature has given us a unique, sustainable raw material whose use is the order of the day.

### **D** Sheep wool is an outstanding insulator

ISOLENAWOLLE achieves top insulation values by its very nature and offers a unique combination of product benefits like no other insulation material.

### **♥** Creates a healthy climate in the room

Sheep wool is able to purify the air in a room with a very short space of time, removing many odours and harmful substances, such as formaldehyde.

### **💧** Regulates humidity

Sheep wool can absorb up to 33% of its own weight in moisture, without compromising its insulating effect.

### **✓** Represents quality and safety

ISOLENAWOLLE has been technically inspected many times, carries the international natureplus quality seal and holds the European Technical Approval (ETA).

### **🌱** Is a sustainable raw material

As a natural product, sheep wool is shorn twice a year and can be returned to the environmental cycle at any time.

### **IP** Ionic Protect®, the new, innovative wool protection

is the most useful invention since virgin sheep wool to be used as insulation protection. Biocide-free, permanent and CUAP tested.



SheepWool Insulation Ltd.  
Unit 1, Railway Business Park,  
Rathdrum, Co. Wicklow, Ireland



Phone (IE): +353 404 46100

Fax (IE): +353 404 46452

Email: [info@sheepwoolinsulation.ie](mailto:info@sheepwoolinsulation.ie)



Phone (UK): +44 871 2185218

Email: [uk@sheepwoolinsulation.com](mailto:uk@sheepwoolinsulation.com)

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

Your SheepWool Insulation Agent:

Specify in confidence. ISOLENA has been awarded the CE certification by the European Organisation for Technical Approvals.



Sheep wool: a natural insulator.

# Healthy insulation can naturally do more.

100% Pure Wool with  
**IP IONIC PROTECT.**

the new, innovative wool protection

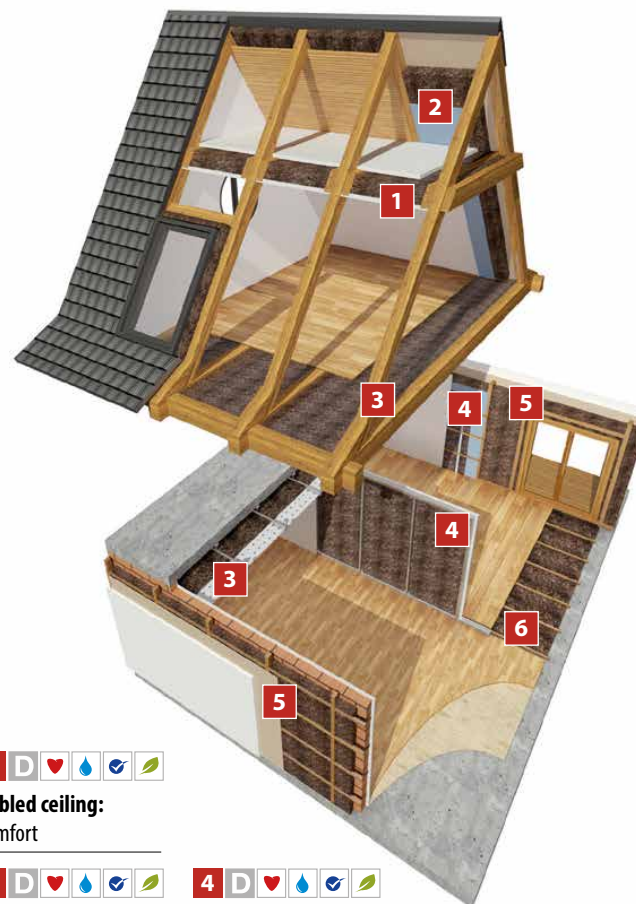
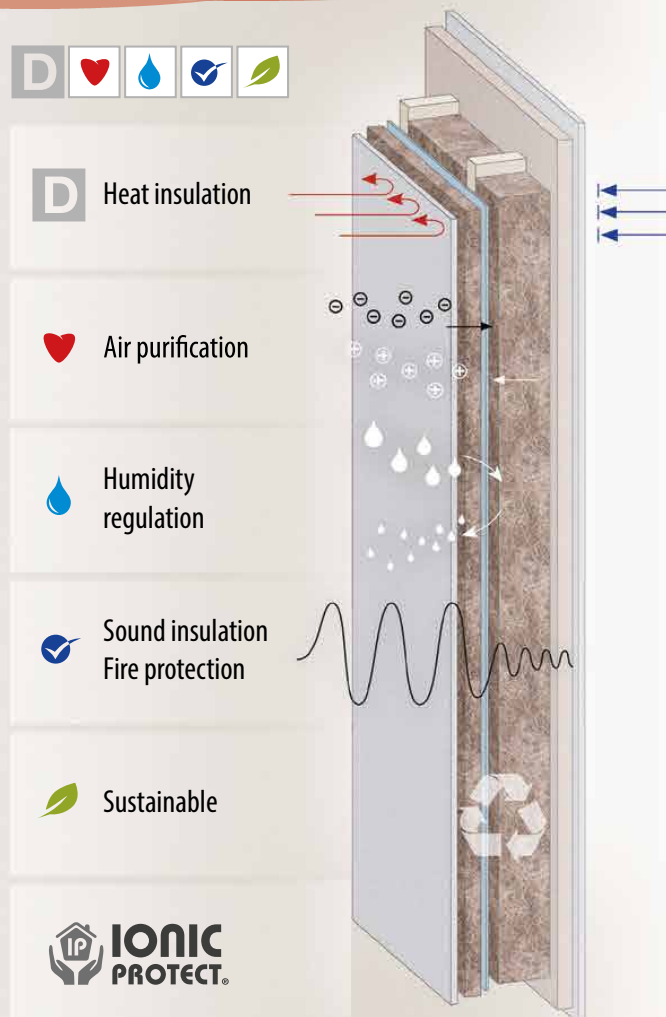


# The insulation material that can do more

## Used in a variety of ways



## SheepWool Insulation product overview



**1** **Gabled ceiling:**  
Comfort



**2** **Roof:**  
Premium / Optimal



**3** **Ceiling:**  
Premium / Optimal /  
Comfort

**Acoustic ceiling:**  
Optimal



**4** **Wall:**  
Premium / Optimal



**5** **Timber:**  
Premium / Optimal

**Wooden frame construction:**  
Premium / Optimal

**Facade:**  
Premium / Optimal



**6** **Floor:**  
Premium / Optimal /  
Comfort

**SilentWool Floor:**  
SilentWool Floor  
(pre-fitted with a  
breathable paper) /  
SilentWool Joist /  
SilentWool Carpet

New  
Technology



### ISOLENA Premium

New technology –  
for fast installation  
in high insulation strengths.

Raw density: 20kg/m³  
Thermal conductivity: tr 0,0359 W/mK



### ISOLENA Optimal

Standard product with  
support felt for  
easy fastening.

Raw density: 18kg/m³  
Thermal conductivity: tr 0,0385 W/mK



### ISOLENA Comfort

Light, good value  
sheep wool nonwoven.

Raw density: 14kg/m³  
Thermal conductivity: tr 0,042 W/mK



**ISOLENA Silentwool Floor**  
(pre-fitted with a breathable  
paper). Multi-purpose under-  
floor acoustic insulation  
made from pure new sheep's  
wool and pre-fitted with a  
breathable paper.

Raw density: 100kg/m³  
Footfall sound improvement: bis 21 DB



**ISOLENA Silentwool Joist**  
Acoustic insulation strips  
for Joists.

Raw density: 100kg/m³



**ISOLENA Silentwool Carpet**  
Acoustic underlay rolls for the  
reduction of impact sound  
transfer under carpeted areas.

Thickness: 9mm

### Physical properties

<b>Thermal conductivity:</b>	0,035–0,042
<b>Combustibility class:</b>	Es1, D0 / Bs1, d0
	BKZ in CH 5,3
*Flammability of an acoustic ceiling element	B S1, d0
<b>Flash Point:</b>	570° C-600° C
<b>Water vapour diffusion permeability:</b>	1–2
<b>Wool protection:</b>	IONIC PROTECT®

Perforated plasterboard panel 12mm thick, perforation 18/18-5mm diametewr, ISOLENAWOLLE Optimal (thickness 40mm), 60mm rear ventilation compliant with European Norm EN 13501-1.



- A** Interior cladding
- C** Air Sealing
- E** Wind sealing
- B** Installation level ISOLENAWOLLE
- D** Main insulation level ISOLENAWOLLE
- F** Facade cladding