



The insulation material that can do more.



D Heat insulation

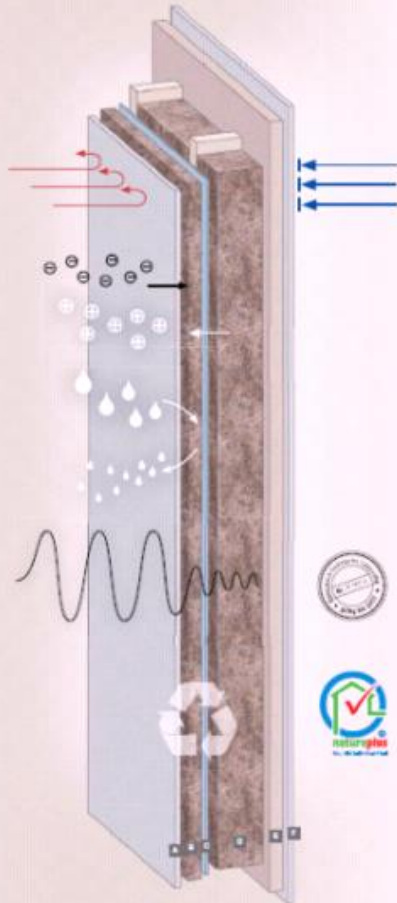
♥ Air purification

💧 Humidity regulation

✓ Sound insulation
Fire protection

🌿 Sustainable

IP IONIC PROTECT.



- Plaster coating
- Air cavity
- Wind sailing
- Insulation layer SOLENAWOLLE
- Main insulation layer SOLENAWOLLE
- Facade coating



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

D Sheep wool is an outstanding insulator,

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

*Nominal conductivity: 0.0321 - 0.0429 W/mK

♥ 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 and

SOLENAWOLLE 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.



Introducing new Ionic Protect ionic protect[®]



IONIC PROTECT - new **biocide free** wool protection system.
Ecological, sustainable and **durability** proven!



IONIC PROTECT[®] the new,
innovative wool protection

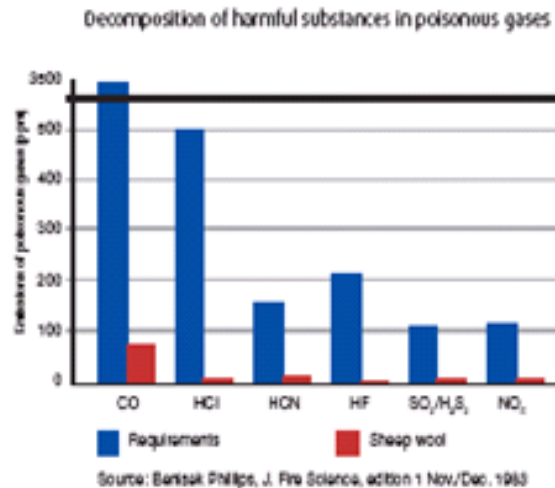
is the most useful invention since virgin sheep wool
to be used as insulation protection. Biocide-free,
permanent and CUAP tested.

Top Fire Protection

Our **100% Pure SheepWool Insulation** does not go on fire easily, plus does not emit hazardous gazes when it burns.

Tested with a perforated gypsum plasterboard fire classification **B-s1,d0**

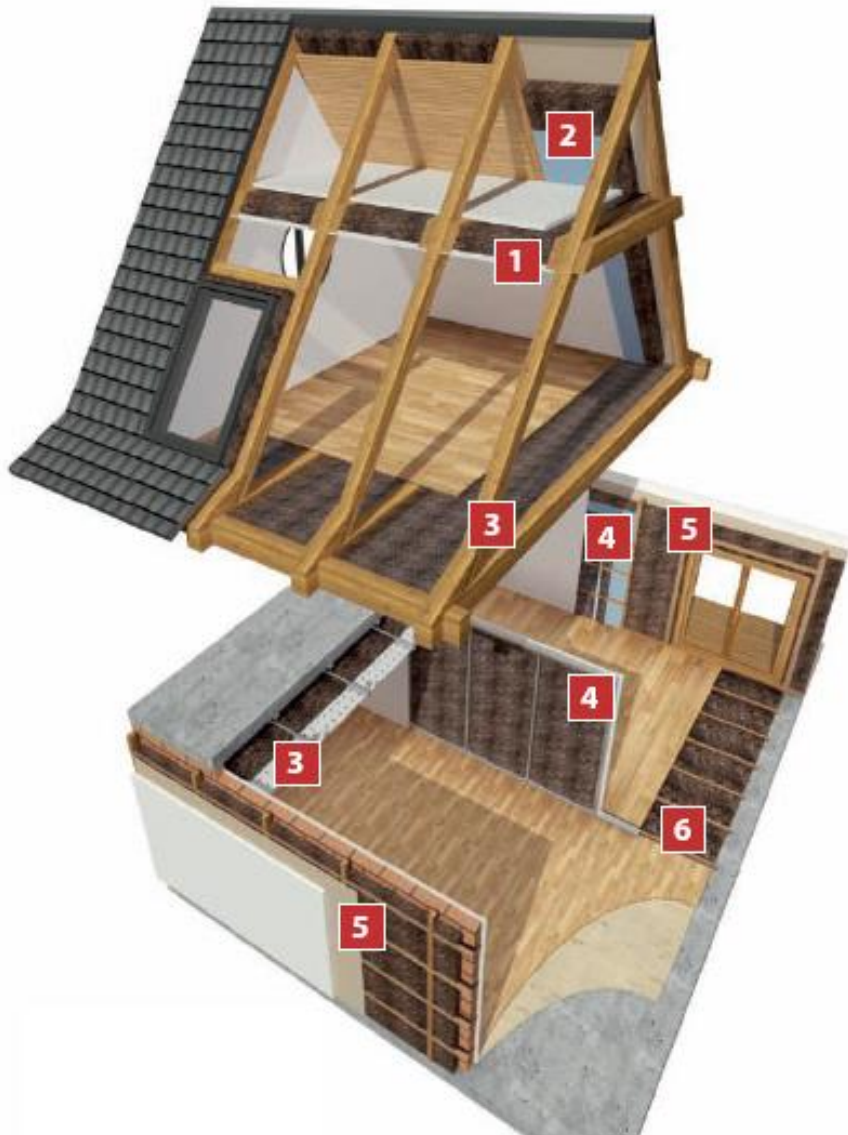
Fire control test: Euro Classification D



Top fire protection.

The natural fibres of the sheep wool have a self-combustion temperature of 560 – 600°C. This is around twice as high as that of wood (270°C). It also melts away from a heat source without dripping. Thanks to their special production process, ISOLENA sheep wool products need no additional flame inhibitor and achieve outstanding values in the European and Swiss standard fire tests.

Used in a variety of ways



1 D ♥ 💧 🌀 🌿

Gabled ceiling:
Comfort

2 D ♥ 💧 🌀 🌿

Roof:
Premium / Optimal

3 D ♥ 💧 🌀 🌿

Ceiling:
Premium / Optimal /
Comfort

Acoustic ceiling:
Optimal

4 D ♥ 💧 🌀 🌿

Wall:
Premium / Optimal

5 D ♥ 💧 🌀 🌿

Timber:
Premium / Optimal

Wooden frame construction:
Premium / Optimal

Facade:

6 D ♥ 💧 🌀 🌿

Floor:
Premium / Optimal /
Comfort

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

Premium Insulation Rolls 150mm Thickness



PREMIUM – the very best solution for **high insulation strengths**

- Applications: ceiling, roof, walls, floors, outside insulation, sauna, acoustic ceiling, wood panel houses, log houses, low energy houses, passive energy houses
- Compact insulation with density, 20 kg/m³,
- New technology for fast mounting of thick insulation layers

Thermal Conductivity: tr 0,0359 W/mK

Due to the 'jagged' cut, these are Simple to 'rip' apart for easy install.



Premium Insulation Rolls

150mm Thickness



Premium Rolls for Vertical and Horizontal Applications. High Density, and easy to rip Diagonally for fast installation



Premium Insulation (20kg/m³) Thermal Conductivity 0.0359 W/m²k

Product Code	Length mm	Width mm	Thickness mm	Thickness ~Inches	Units/Pack Rolls	Area/Roll m ²	Area/Pack m ²
PRE20 380x150	3000	380	150	6	3	1.14	3.42
PRE20 570x150	3000	570	150	6	2	1.71	3.42



Optimal Insulation Rolls 50/75/100mm Thickness



OPTIMAL – the best available solution for standard application

- Applications: ceiling, roof, walls, floors, outside insulation, sauna, acoustic ceiling, wood panel houses, log houses
- density 18 kg/m³, technology needled
- $\lambda = 0,0385$ W/m²K
- Support felt (inside) for fast fastening

As you unroll, the inner side is smoother
When installing, place this inner smoother side
Facing 'into' the room. This allows for better support.



Optimal Insulation Rolls 50/75/100mm Thickness



Optimal Insulation Rolls :for
Vertical and Horizontal Applications with
support felt for easy installation.



Optimal Insulation (18kg/m³) Thermal Conductivity 0.0385 W/m2k

Product Code	Length mm	Width mm	Thickness mm	Thickness ~Inches	Units/Pack Rolls	Area/Roll m ²	Area/Pack m ²
OPI18 380x50	9000	380	50	2	3	3.42	10.26
OPI18 380x75	6000	380	75	3	3	2.28	6.84
OPI18 380x100	6000	380	100	4	3	2.28	6.84
OPI18 570x50	9000	570	50	2	2	5.13	10.26
OPI18 570x75	6000	570	75	3	2	3.42	6.84
OPI18 570x100	6000	570	100	4	2	3.42	6.84



Comfort Insulation Rolls 100/150mm Thickness



**Comfort– Light good value sheep wool insulation
with limited applications**

- floors, between logs, gablet ceiling
- Density 14 kg/m³,
- $\lambda = 0,042$ W/m²K
- Light weighted sheep wool fleece



Comfort Insulation Rolls 100/150mm Thickness

Comfort Insulation rolls for Horizontal application

Comfort for Ceilings and Floors.



Comfort Insulation (14kg/m³) Thermal Conductivity 0.042 W/m²k

Product Code	Length mm	Width mm	Thickness mm	Thickness ~Inches	Units/Pack Rolls	Area/Roll m ²	Area/Pack m ²
BLO14 380x100	4000	380	100	4	3	1.52	4.56
BLO14 380x150	3000	380	150	6	3	1.14	3.42
BLO14 570x100	4000	570	100	4	2	2.28	4.56
BLO14 570x150	3000	570	150	6	2	1.71	3.42



Comfort for attic floor



SheepWool Insulation product overview

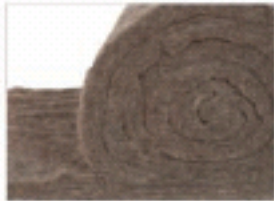
New
Technology



ISOLENA Premium

New technology –
for fast installation
in high insulation strengths.

Raw density:	20kg/m ³
Thermal conductivity:	tr 0,0359 W/mK



ISOLENA Optimal

Standard product with
support felt for
easy fastening.

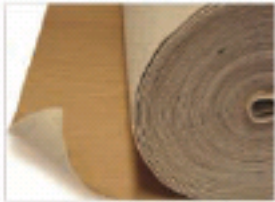
Raw density:	18 kg/m ³
Thermal conductivity:	tr 0,0385 W/mK



ISOLENA Comfort

Light, good value
sheep wool nonwoven.

Raw density:	14kg/m ³
Thermal conductivity:	tr 0,042 W/mK



ISOLENA Silentwood 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/m ³
Footfall sound improvement:	bis 21 DB



ISOLENA Silentwood Joist
Acoustic insulation strips
for Joists.

Raw density:	100kg/m ³
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ISOLENA Silentwood Carpet
Acoustic underlay rolls for the
reduction of impact sound
transfer under carpeted areas.

Thickness:	9 mm
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CONTACT :

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Physical properties

Thermal conductivity:	0,035–0,042
Combustibility class:	E s1, D0 / Bs1, d0 BKZ in CH 5,3
*Flammability of an acoustic ceiling element	B S1, d0
Flash Point:	570° C-600° C
Water vapour diffusion permeability:	1–2
Wool protection:	IONIC PROTECT®

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