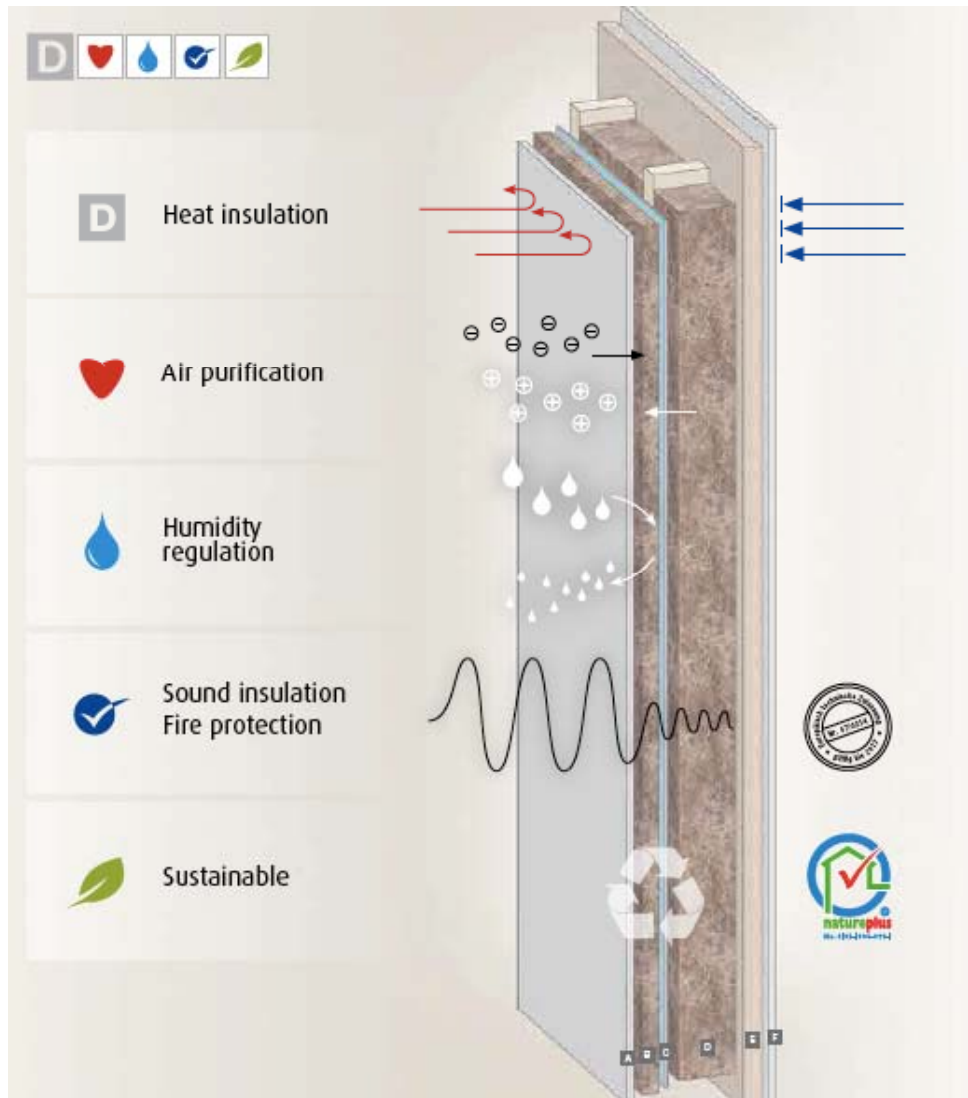




 **SheepWool**[®]
INSULATION

The insulation that naturally can do more



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.

* Thermal conductivity λ tr 0.035 - 0.042 W/m²K

♥ 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.

Can be used in a variety of ways

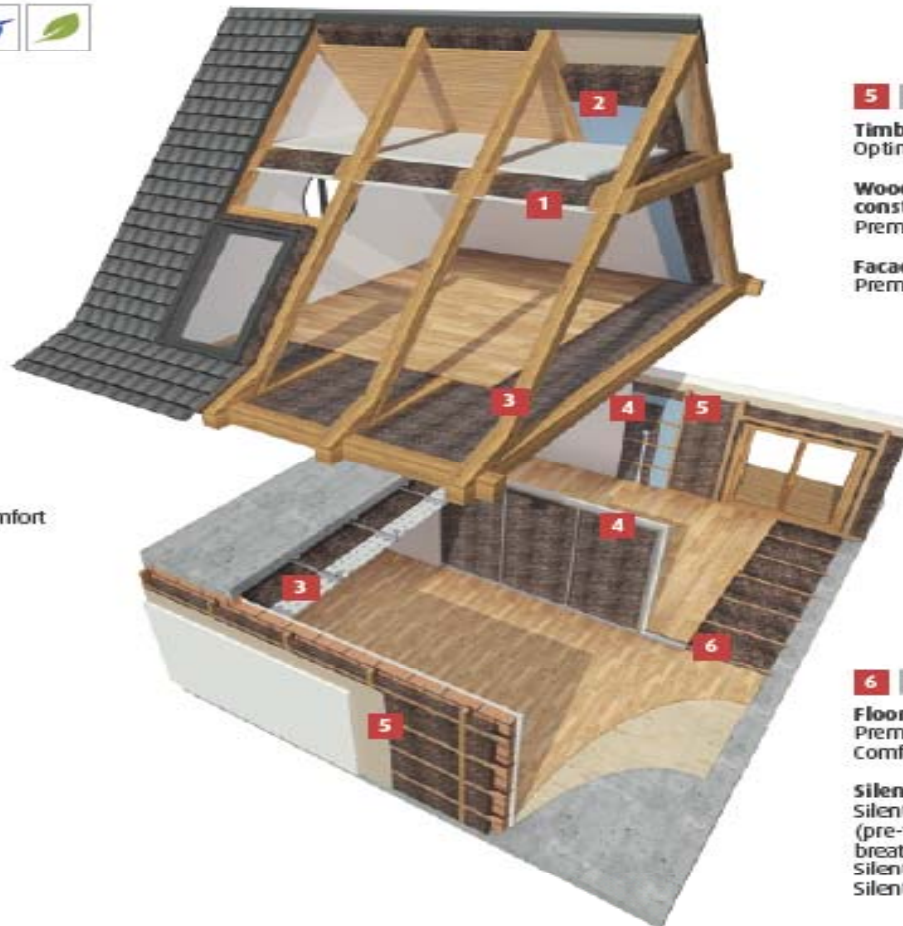


1 D ♥ 💧 ✓ 🌿
Gabled ceiling:
Comfort

2 D ♥ 💧 ✓ 🌿
Roof:
Premium / Optimal

3 D ♥ 💧 ✓ 🌿
Ceiling:
Premium / Optimal / Comfort
Acoustic ceiling:
Optimal

4 D ♥ 💧 ✓ 🌿
Wall:
Premium / Optimal



5 D ♥ 💧 ✓ 🌿
Timber:
Optimal / Comfort
Wooden frame construction:
Premium / Optimal
Facade:
Premium / Optimal

6 D ♥ 💧 ✓ 🌿
Floor:
Premium / Optimal / Comfort
SilentWool Floor:
SilentWool Floor (pre-fitted with a breathable paper) / SilentWool joist / SilentWool Carpet

Premium Insulation rolls



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: λ_{tr} 0,0359 W/mK



 **SheepWool**[®]
INSULATION

Premium Insulation Rolls



ISOLENA Premium

New technology –
for fast installation
in high insulation strengths.

Raw density: 20kg/m³

Thermal conductivity: λ_{tr} 0,0359 W/mK

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 380x100	4000	380	100	4	3	1.52	4.56
PRE20 380x150	3000	380	150	6	3	1.14	3.42
PRE20 570x100	4000	570	100	4	2	2.28	4.56
PRE20 570x150	3000	570	150	6	2	1.71	3.42

Optimal Insulation rolls



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 needed
- $\lambda = 0,0385$ W/m²K
- Support felt (inside) for fast fastening

Optimal Insulation Rolls :



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

Optimal for Rafters



Standard product with support felt for fast fastening.



Raw density:	18 kg/m ³
Thermal conductivity:	tr 0,0385 W/m ² K

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

OP118 380x50	9000	380	50	2	3	3.42	10.26
OP118 380x75	6000	380	75	3	3	2.28	6.84
OP118 570x50	9000	570	50	2	2	5.13	10.26
OP118 570x75	6000	570	75	3	2	3.42	6.84

Comfort Insulation rolls



**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



 **SheepWool**[®]
INSULATION

Comfort Rolls



Comfort Rolls for Horizontal application

Comfort for Ceilings and Floors.



Light, good value
sheep wool nonwoven.

Raw density: 14 kg/m³

Thermal conductivity: λ 0,042 W/m²K



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

Insulation and Acoustic underlay range product summary



ISOLENA Premium
New technology – for fast installation in high insulation strengths.

Raw density:	20 kg/m ³
Thermal conductivity:	tr 0,0385 W/m ² K



ISOLENA Optimal
Standard product with support felt for easy fastening.

Raw density:	18 kg/m ³
Thermal conductivity:	tr 0,0385 W/m ² K



ISOLENA Comfort
Light, good value sheep wool nonwoven.

Raw density:	14 kg/m ³
Thermal conductivity:	tr 0,042 W/m ² K



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

Raw density:	100 kg/m ³
Footfall sound improvement:	bis 21 DB



ISOLENA SilentWool Joist Acoustic insulation strips for Joists.

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

Thickness	7 mm
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Physical properties

Thermal conductivity:	0,035 – 0,045
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:	1 % Thoran NW

Perforated plasterboard panel 12 mm thick, perforation 18/18-5 mm diameter, Isolesawolle Optimal (thickness 40 mm), 60 mm rear ventilation compliant with Austrian standard EN 13501-1