





WHY USE 100% PURE SHEEPWOOL INSULATION



SHEEP WOOL IS AN OUTSTANDING INSULATOR ISOLENAWOLLE achieves top insulation values by its very nature and 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.



SOUND INSULATION & FIRE PROTECTION Sheep wool has very good sound absorption Properties. Depending on the product, our sheep's wool insulation achieves a fire classification of C or D according to EN 13 501-1.



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.



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.

USED IN A VARIETY OF WAYS



- 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
- 7**
Window & Door Filler

SHEEPWOOL INSULATION PRODUCT RANGE

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: 20kg/m³

Footfall sound
improvement: to 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.

Raw density: 9mm



Isolena Window & Door Filler
Carded wool band for insulating
and filling hollow spaces in
window and door frames, as
well as roof windows in the
roofing frame.

Length 200m



Isolena Loose Wool
Carded wool fleece for filling joints
and cracks between beams and
hollow spaces on windows and doors.
Loose wool is also suitable for roof
windows in the roofing frame.

Bag size 5kg



Introducing new Ionic protect[®]



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



 **IONIC PROTECT[®]** the new,
innovative wool protection

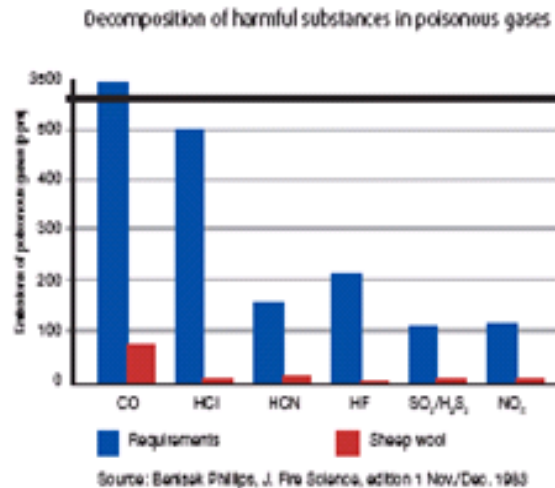
is the most useful invention since virgin sheep wool
to be used as insulation protection. Biocide-free,
permanent and CUAP tested.

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.

Premium Insulation Rolls 150 & 200mm 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/m^3 ,
- New technology for fast mounting of thick insulation layers

Thermal Conductivity: $\lambda_{tr} 0,0359 \text{ W/mK}$

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



Premium Insulation Rolls

150mm & 200mm 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
PRE20 380x200	2500	380	200	8	3	0.95	2.85
PRE20 570x200	2500	570	200	8	2	1.43	2.85



Optimal Insulation Rolls

50/75/100/140mm 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 needed
- $\lambda = 0,0385$ 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

50/75/100/140mm Thickness



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



Optimal Insulation (18kg/m²) Thermal Conductivity 0.0385 W/mk

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	5000	380	100	4	3	1.90	5.70
OPT18 380X140	3000	380	140	5.5	3	1.14	3.42
OPI18 570x50	9000	570	50	2	2	5.13	10.26
OPI18 570x75	6000	570	75	3	2	3.42	6.84
OPI18 570x100	5000	570	100	4	2	2.85	5.70
OPT18 570X140	3000	570	140	5.5	2	1.71	3.42



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

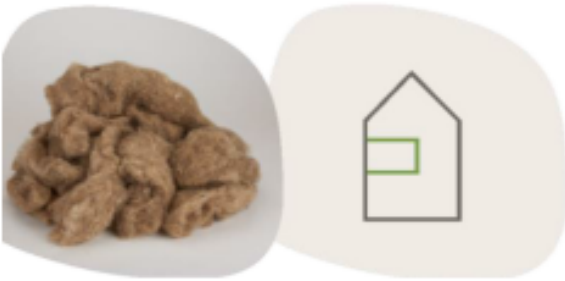
Product Code	Length mm	Width mm	Thickness mm	Thickness ~Inches	Units/Pack Rolls	Area/Roll m ²	Area/Pack m ²
BLO14 380x100	4000	380	100	4	3	1.52	4.56
BLO14 380x150	3000	380	150	6	3	1.14	3.42
BLO14 570x100	4000	570	100	4	2	2.28	4.56
BLO14 570x150	3000	570	150	6	2	1.71	3.42



Comfort for attic floor



Lose Wool 5 Kg



Verbrauch

Density of 18 kg/m³ is sufficient

Raw material

100% wool sustainable, durable, recyclable, without synthetic additives

Application

window- and hollow space insulation, wooden construction

PRODUCT DESCRIPTION

Carded wool fleece for filling joints and cracks between beams, walls and hollow spaces on windows and doors.

WOOL PROTECTION

IONIC PROTECT® biocide-free wool protection, long-term tested by EAD/CUAP standards and patented procedure.

TECHNICAL DATA

Vapour diffusion resistance factor $\mu = 1$

FORM OF DELIVERY

5 kg per packing unit (PU)

Window and Door Filler Untied 100m



Density	30 g/lfm
Raw material	100% wool sustainable, durable, recyclable, without synthetic additives
Application	Window- and joint insulation, Doors Wooden construction
PRODUCT DESCRIPTION	Carded wool band for insulating and filling hollow spaces in window and door frames, as well as roof windows in the roofing frame.
WOOL PROTECTION	IONIC PROTECT® biocide-free wool protection, long-term tested by EAD/CUAP standards and patented procedure.
TECHNICAL DATA	Sound reduction index: $R_{S,w}(C; C_{tr}) \geq 62$ (-2; -5) dB Thermal conductivity: λ_{tr} 0,033 W/mK Fire behaviour: D-s2, d0; CH: RF 3 Vapour diffusion resistance factor $\mu = 1$
FORM OF DELIVERY / DIMENSIONS	100 m/PU

SheepWool Insulation product overview




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

Raw density: 20kg/m ³
Thermal conductivity: ≤ 0.0359 W/mK




ISOLENA Optimal
Standard product with support felt for easy fastening.

Raw density: 18kg/m ³
Thermal conductivity: ≤ 0.0385 W/mK




ISOLENA Comfort
Light, good value sheep wool nonwoven.

Raw density: 14kg/m ³
Thermal conductivity: ≤ 0.041 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: 20kg/m ³
Footfall sound improvement: ≥ 21 DB



ISOLENA Silentwool Joist Acoustic insulation strips for Joists.

Raw density: 100kg/m ³



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

Raw density: 9mm



Isolena Window & Door Filler
Carded wool band for insulating and filling hollow spaces in window and door frames, as well as roof windows in the roofing frame.

Length 200m



Isolena Loose Wool
Carded wool fleece for filling joints and cracks between beams, walls and hollow spaces on windows and doors. Loose wool is also suitable for roof windows in the roofing frame.

Bag size 5kg





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