



The main thing you need to remember from our product range is that all of our products are made from and contain **ONLY 100% Pure SheepWool**. **We do NOT use any binders**. Therefore, they are 100% pure, 100% natural, breathable and life lasting.

Because we do NOT use polyester./ glue, the product can breathe, and therefore, perform all of these key functions.

The insulation material that can do more

- D** Heat insulation
- ♥** Air purification
- 💧** Humidity regulation
- ✓** Sound insulation
Fire protection
- 🌿** Sustainable

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.

Our range is fully Certified and approved, and it is fully pre-treated with new our unique **Ionic Protect** ensuring that the protection of the wool lasts also a lifetime.. as does the insulation as it is **100% Pure SheepWool**.



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.

Just for your information [also](#), a little more detail on both the Hygroscopic nature of the products.. and the ability to absorb high levels of Formaldehyde, both unique to our insulation purely because it is **100% pure sheepwool** – nothing added... therefore, it can do all of this.

Damp walls are an irritant to health and decrease your sense of well-being. SheepWool Insulation can absorb a third of its own weight in moisture, without compromising its insulation quality.



SheepWool Insulation has a hygroscopic effect. This means that it adapts very quickly to the interior humidity surrounding it and absorbs moisture when the humidity is higher than the compensatory moisture in the wool. If the air in the room is too dry, it releases the moisture again.

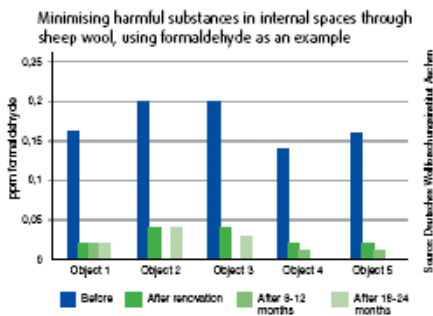


On the subject of the Air Purification performance of our **100% Pure SheepWool Insulation** – see here

Sheep wool develops a feel-good climate by its very nature and is beneficial to your health. SheepWool Insulation has been proven to be able to break down harmful substances, thus allowing the natural air in the room to circulate.



Sheep wool removes harmful substances from the air.



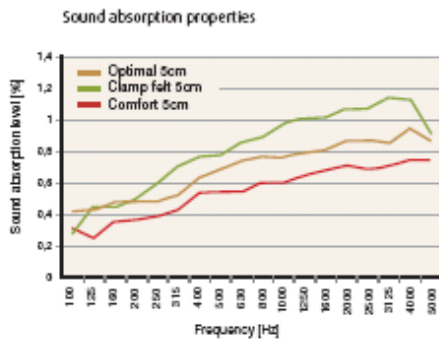
The secret behind this excellent ability is keratin, the protein building block which makes up sheep wool. The molecules in the side branches of the amino acids are able to absorb and neutralise harmful substances such as formaldehyde. This is done through a chemical reaction in which the harmful substances are connected to these molecules and converted.



It is also excellent in the area of **Sound Absorption** – details here below. And we also do a range of Acoustic underlay which you will see in the Brochure which may also be of interest.

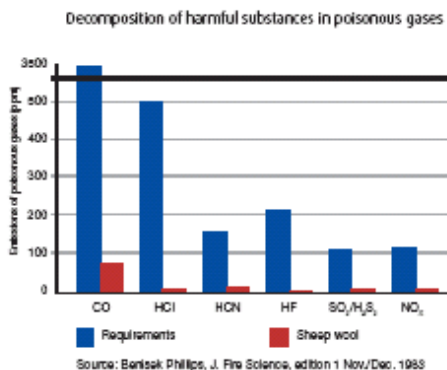
In the event of a fire, I want to re-assure you, that our **100% pure Sheepwool** insulation has excellent fire protection, and this again, is exclusively down to the simple ‘nature of the wool’. Nothing added.. especially not polyester! – means that you have a really good insulation product but also one, which will not be something to worry about in the event of a fire, as sheepwool is self extinguishing by its own nature.

Outstanding sound insulation.



Sheep wool offers excellent sound absorption properties for many acoustic situations with high requirements. Equip acoustic ceilings with the special ISOLENA acoustic nonwovens or simply with ISOLENA sheep wool felts so that you can hold your important meetings undisturbed and with the greatest possible concentration.

It is for good reason that ISOLENA acoustic products are increasingly being used by modern architects, building physicists and clients in schools, office buildings and event spaces, as well as in private houses, as an acoustic insulation material in installation levels and false ceilings.



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.

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