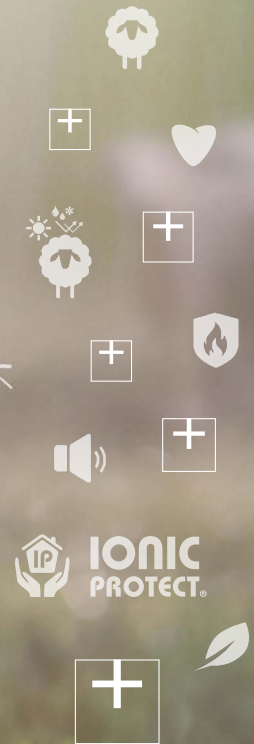




SHEEPWOOL: A NATURAL INSULATOR

**HEALTHY** INSULATION CAN  
NATURALLY DO MORE.



# FAMILY COMPANY.

## People & Values

Our family and our company are inextricably linked. Values such as sustainability, quality and health originate from one and the same fundamental attitude.

We also live this in our dealings with each other and our many years of expertise in the processing of sheep's wool make us a partner who can also realize unusual projects and find the right wool solution for every situation.



## Our vision

*„We firmly believe that manufacturing products from sustainable raw materials is the order of the day.“*

Our vision is to make the world honestly sustainable through sheep wool. We consider it our duty to strengthen people's environmental consciousness and to show that all of us bear responsibility for nature, human health and the conscious use of sustainable raw materials. The key to this lies in the creative development of the sheep wool and the ways in which it can be used. We produce innovative, high quality products which fulfill an important function, are sustainable and protect our environment.

# A NATURAL BUILDING MATERIAL.

Thanks to its properties, sheep wool is the only naturally occurring insulation material which retains heat and also protects against heat, cold and damp. Sheep wool is a tried and tested material that has proven itself over thousands of years. It is the only insulation material whose producers – the sheep – continuously test its fitness for purpose in the most extreme climatic conditions. The wool has to fulfill its role of protecting the sheep in every imaginable weather situation.

The peculiarity of sheep wool raw fibers is reflected in the end-product, a material with unique physical properties. At **SOLENA**, we have over 50 years of experience with sheep wool through our in-house carpet weaving mill. We therefore understand better than anyone else how to turn this uniqueness into a range of products which perfectly meet the requirements of modern construction.



*„We bear responsibility and offer innovative, high-quality wool solutions for enjoyment of life. Natural, sustainable, healthy, unique.“*



# THE INSULATION MATERIAL, THAT CAN DO MORE.

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

## Plus points of sheep wool



**SHEEP WOOL IS AN OUTSTANDING INSULATOR**  
**ISOLENA** achieves top insulation values by its very nature\* and offers a unique combination of product benefits unmatched by any other insulation material.

\*THERMAL CONDUCTIVITY  $\lambda_e$  0,0339 – 0,042 W/mK



**CREATES A HEALTHY CLIMATE IN THE ROOM**  
 Sheep wool is able to purify the air in a room within a very shortspace of time, removing many odors and harmful substances such as formaldehyde.



**REGULATES HUMIDITY**  
 Sheep wool can absorb up to 33% of its own weight in moisture, without losing any of its insulating properties. When the environment is dry, the wool releases the moisture.



**FIRE PROTECTION**  
 The natural fiber of sheep's wool has a self-ignition temperature of 560 – 600° C. This is about twice as high as that of wood (270° C). Depending on the product, our sheep's wool insulation achieves a fire classification of C or D according to EN 13 501-1.



**SOUND INSULATION**  
 Sheep wool has very good sound absorption properties due to the different fiber fineness of the wool fiber and is therefore suitable for demanding acoustic optimization.



**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**  
 The most useful invention since virgin sheep wool has been used as insulation material. Biocide-free and EAD/CUAP tested.



SCAN QR CODE FOR THE PLUS POINTS!



**SHEEP WOOL INSULATION**



**AIR PURIFICATION**



**HUMIDITY REGULATION**



**FIRE PROTECTION**



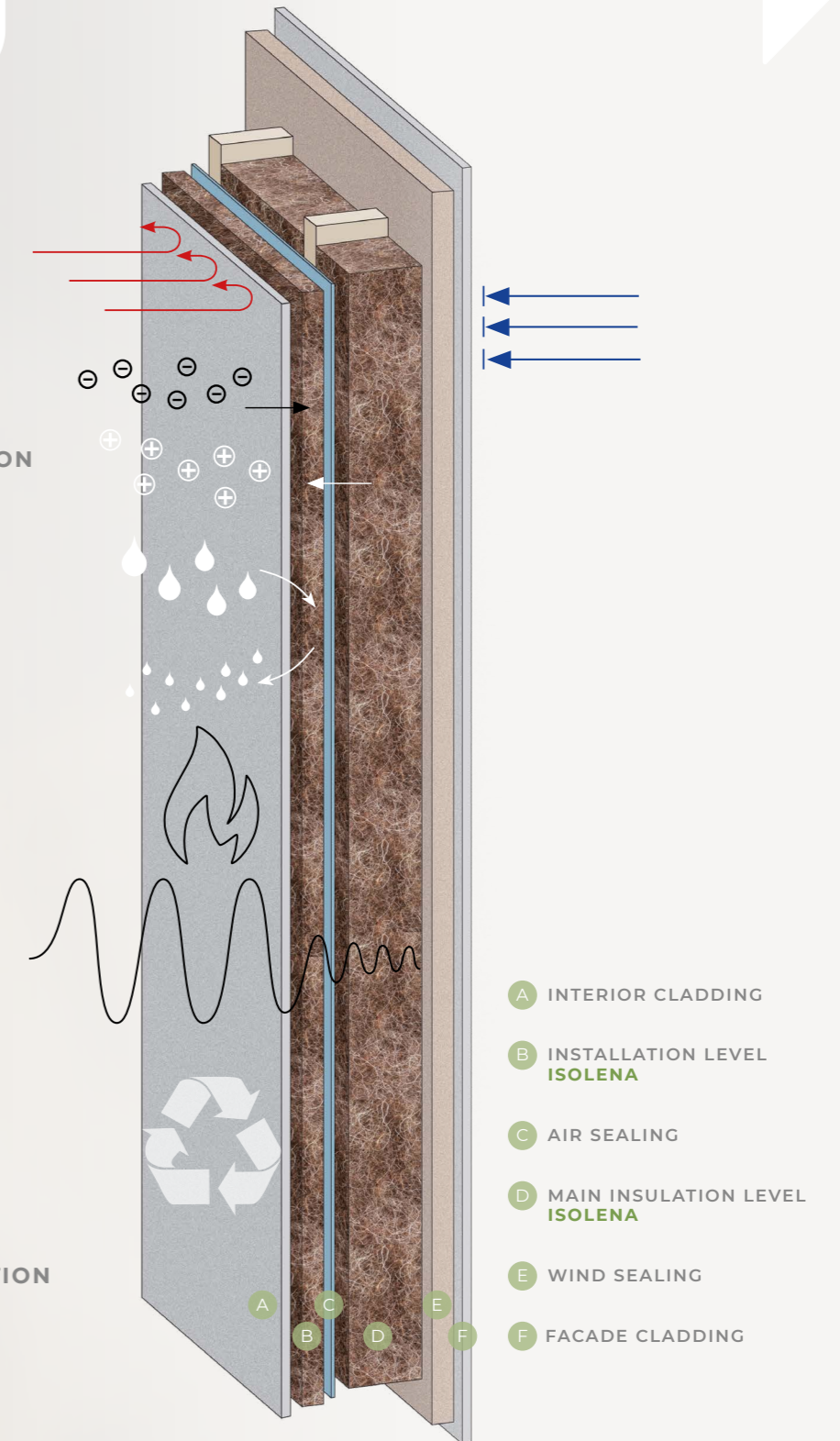
**SOUND INSULATION**



**SUSTAINABLE**



**WOOL PROTECTION**



# THE PLUS IN INSULATING POWER.

**SOLENA** insulation materials made from 100% sheep wool naturally achieve the best insulation values in every season and offer a unique combination of product benefits like no other insulation material. Pleasantly cool in summer and comfortably warm in winter. A constant room temperature not only makes living and working in buildings more pleasant, it is also healthier and better for the environment.



**SHEEP WOOL INSULATION**



Due to rising energy prices, the choice of the right thermal insulation is also becoming increasingly important. Compared to conventional thermal insulation materials, **SOLENA** sheep wool is a **water vapor permeable insulation** with an **effective heat storage capacity** that supports the efficient energy saving and reduction of the carbon footprint of your building.



## GUARANTEED HIGH PERFORMANCE.

Sheep wool as a natural material is durable, powerful and has always had a protective function. With the special **SOLENA** technology, we achieve a very good insulation value of **0.033 – 0.042 W/mK**.

THERMAL CONDUCTIVITY IS USED TO EVALUATE THE EFFECT OF INSULATION MATERIALS. A COMPARISON:



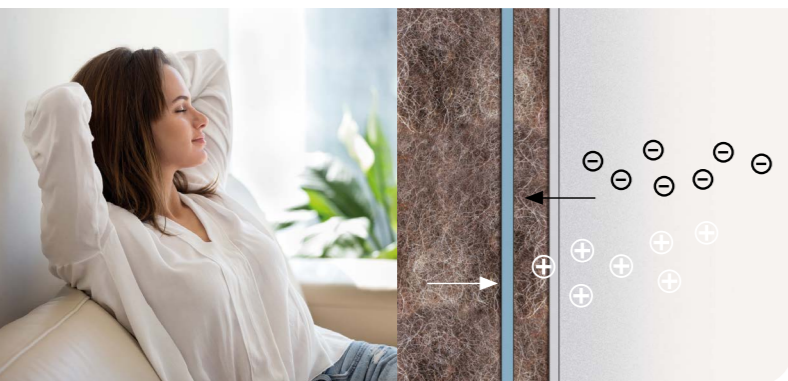
Material	W/mK
Bricks	0.500 – 1.100
Hemp	0.040 – 0.045
Cellulose	0.039 – 0.045
Rock wool	0.035 – 0.040
Styrofoam	0.035 – 0.050
<b>SOLENA Sheep's wool</b>	<b>0.033 – 0.042</b>
Glass wool	0.032 – 0.048
Polyurethane	0.023 – 0.029
Exp. Polystyrene (EPS)	0.031 – 0.045

# SENSING THE ADDITIONAL FEEL-GOOD FACTOR.

Sheep wool generates an agreeable climate by its very nature and is beneficial to your health. **ISOLENA** has been proven to be able to break down harmful substances, thus causing the natural air in the room to circulate.



 AIR PURIFICATION

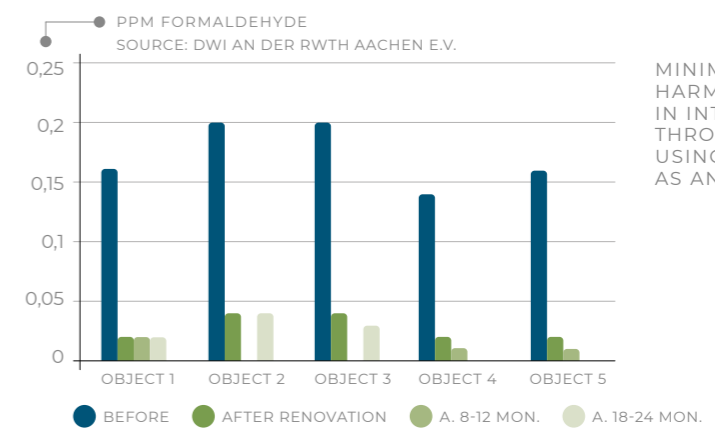


SHEEP WOOL  
REMOVES HARMFUL  
SUBSTANCES  
FROM THE AIR.

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 neutralize harmful substances such as formaldehyde. This is done through a chemical reaction in which the harmful substances are connected to these molecules and converted.



Investing in a healthy indoor climate. All you need is to install **ISOLENA** sheep wool as close as possible to the interior, such as in the installation levels, interior walls or false ceilings, inside the vapor barrier in the roof structure or in the acoustic levels.



# BRINGING **BALANCE** TO YOUR INTERIOR HUMIDITY LEVEL.

Damp walls are an irritant to health and decrease your sense of well-being. **ISOLENA** can absorb a third of its own weight in moisture, without losing any of its insulation properties.



## THE HYDROPHOBIC EFFECT LASTS A LIFETIME.

Sheep wool can absorb up to **33% of its own weight** in moisture, without compromising its insulation properties and without becoming "wet". It remains full and has no negative impact on the structure. This is down to the **unique structure of the protein fiber**: they are water-resistant, or hydrophobic. A property which is a great advantage for critical installation situations, such as when greater amounts of condensation form. And sheep wool offers yet another advantage: as a protein fiber, it **does not create any breeding ground for molds**. Sheep wool therefore is protected against molds by its very nature.

SHEEP WOOL UNDER THE INFLUENCE OF MOISTURE.

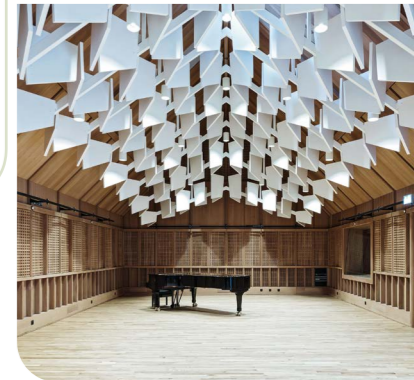
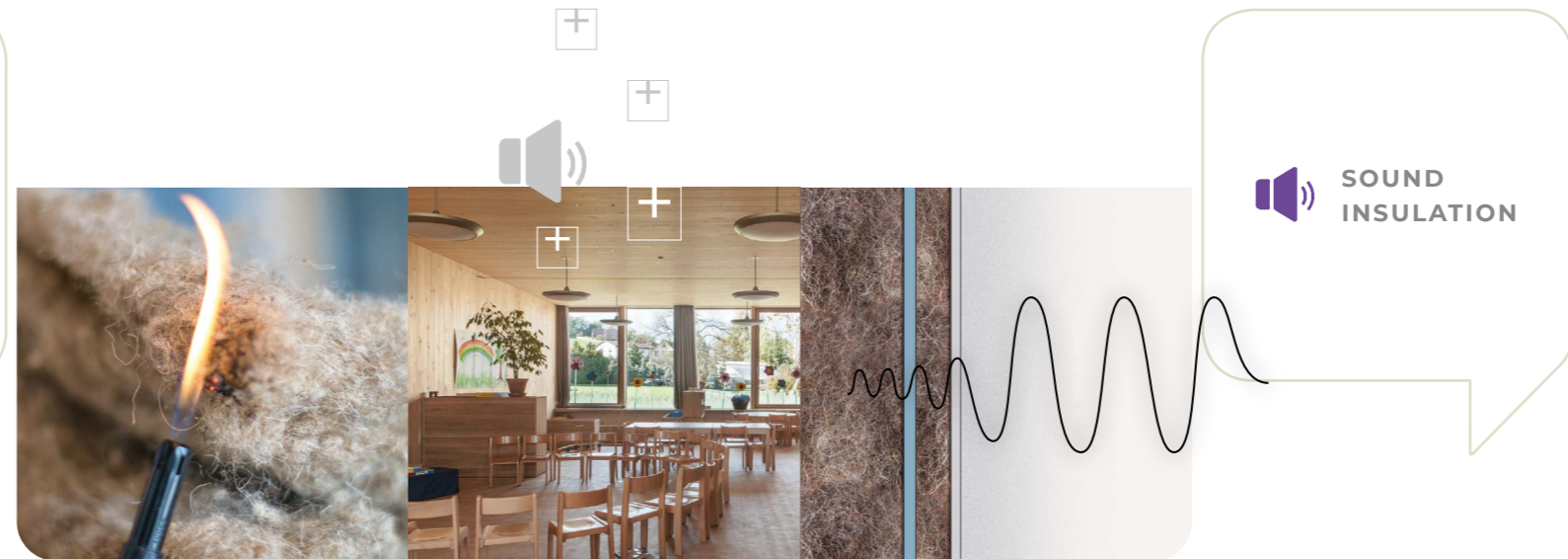


**ISOLENA** has a hygroscopic action, which means that it adapts very quickly to the humidity of the room and absorbs moisture when the humidity is higher than the compensatory moisture in the wool. If the air in the room is too dry, the moisture is released again.

# SETTING QUALITY AND SAFETY STANDARDS.

## Fire protection with sheep wool

When it comes to fire protection, **ISOLENA** offers the highest level of safety thanks to its high flash point. This is also confirmed by the new fire protection classification in **category C & D\***.



## Sound insulation with sheep wool

Equipping acoustic ceilings with the special **ISOLENA** acoustic fleeces or simply with **ISOLENA** sheep wool felts and holding important conversations undisturbed.



There is a good reason why **ISOLENA** acoustic products are increasingly being used by modern architects, building engineering physicists and clients in kindergartens and schools, office buildings and event locations, as well as in private houses, as an acoustic insulation material in installation levels and suspended ceilings.



### FIRE CLASSIFICATION

\*Due to the consistent use of 100% virgin sheep's wool, the special **ISOLENA** processing technology and the innovative, biocide-free wool protection IONIC PROTECT®, our sheep's wool insulation achieves a fire classification of C or D – depending on the product – according to EN 13 501-1.

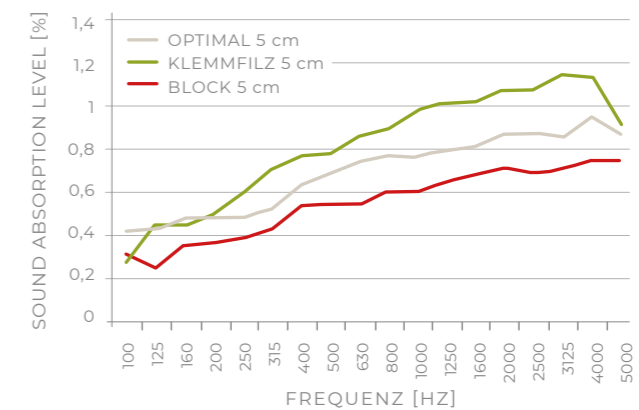


Classification of the fire behavior of an acoustic ceiling element:  
 – Perforated plasterboard panel, Thickness 12 mm, perforation 18/18 – 5 mm diameter  
 – **ISOLENA** Optimal, Thickness 40 mm, Density 18 kg/m<sup>3</sup> – 60 mm back ventilation  
 Compliant with Austrian standard EN 13501-1, the construction product described is classified B s1, d0 with regards to its fire behavior. **ISOLENA** is thoroughly and continuously inspected by the accredited authorities.

HIGH FIRE PROTECTION.

The natural fiber of sheep's wool has a self-ignition temperature of 560 – 600 °C. This is about twice as high as wood (270° C). It melts away from any heat source without dripping.

### CERTIFIED SOUND ABSORPTION.



EXCELLENT SOUND INSULATION.

Due to the different fiber fineness, sheep wool has very good sound absorption properties for many acoustic situations with higher demands.

# ROOM ACOUSTICS WITH ISOLENA.

When walking, the footsteps echo. When talking on the phone, an echo of the voice can be heard. In an open-plan office, there is often a lack of peace and privacy to work. **ISOLENA** offers the perfect solution for such situations. With its thermal and sound insulation products even the loudest voice in the next room will be silent.



SCAN QR CODE FOR THE **ACOUSTIK CALCULATOR!**

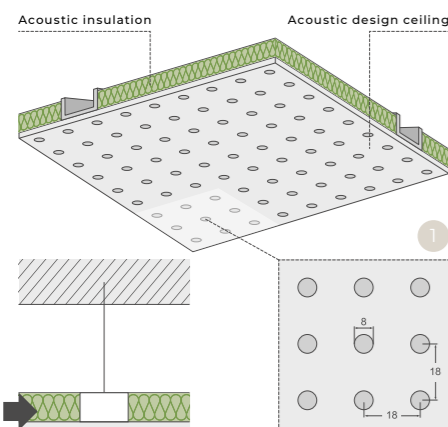


## TESTED CONSTRUCTION

Measurement of sound absorption in reverberation rooms according to DIN EN ISO 354

No.	Board	Acoustic lining	Acoustic fleece	Assessed sound absorption level*	Sound absorber class
<i>Vogl Deckensysteme</i>					
1	Acoustic design panel 8/18R Thickness 12,5 mm	OPP22 Thickness 30 mm	AV2010	$\alpha_w = 0,75$	C
2	Acoustic design panel 12/25Q Thickness 12,5 mm	OPP22 Thickness 30 mm	AV2010	$\alpha_w = 0,80$	B
<i>Heradesign®</i>					
3	Heradesign® Superfine 25 mm	OPP22 Thickness 30 mm	----	$\alpha_w = 0,75$ (LH)	C
4	Heradesign® Superfine 25 mm	OPP22 Thickness 60 mm	----	$\alpha_w = 0,80$ (LH)	B
5	Heradesign® Superfine 25 mm	OPN50 Thickness 25 mm	----	$\alpha_w = 0,80$ (L)	B

\*According to ÖNORM EN ISO 11654.



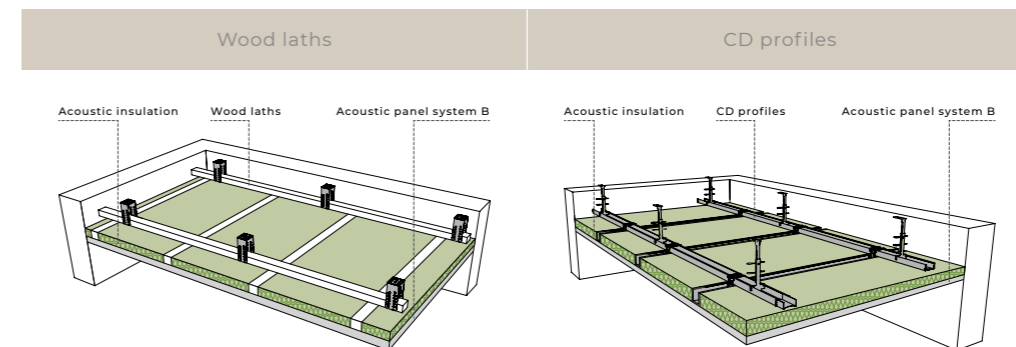
### 1 Hole pattern 8/18R

Perforated ceiling panel according\*  
Plate Thickness: 12,5 mm  
Area based size: 8,50 kg/m<sup>2</sup>  
Perforated area percentage: 15,5 %

### 2 Hole pattern 12/25Q

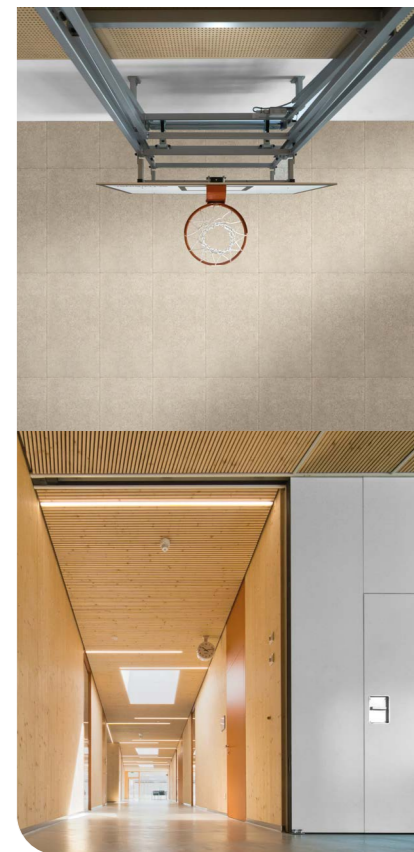
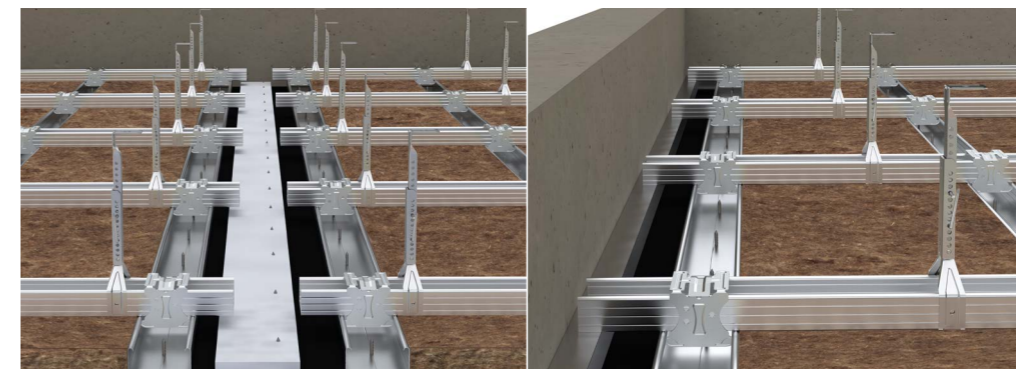
Perforated ceiling panel according\*  
Plate Thickness: 12,5 mm  
Area based size: 7,70 kg/m<sup>2</sup>  
Perforated area percentage: 23,0 %

\*To Din EN 14190



### 3 4 5 Acoustic panel

1-ply magnesite bonded wood wool acoustic panel (fibre width app. 1 mm) in combination with ISOLENA Optimal Plus.

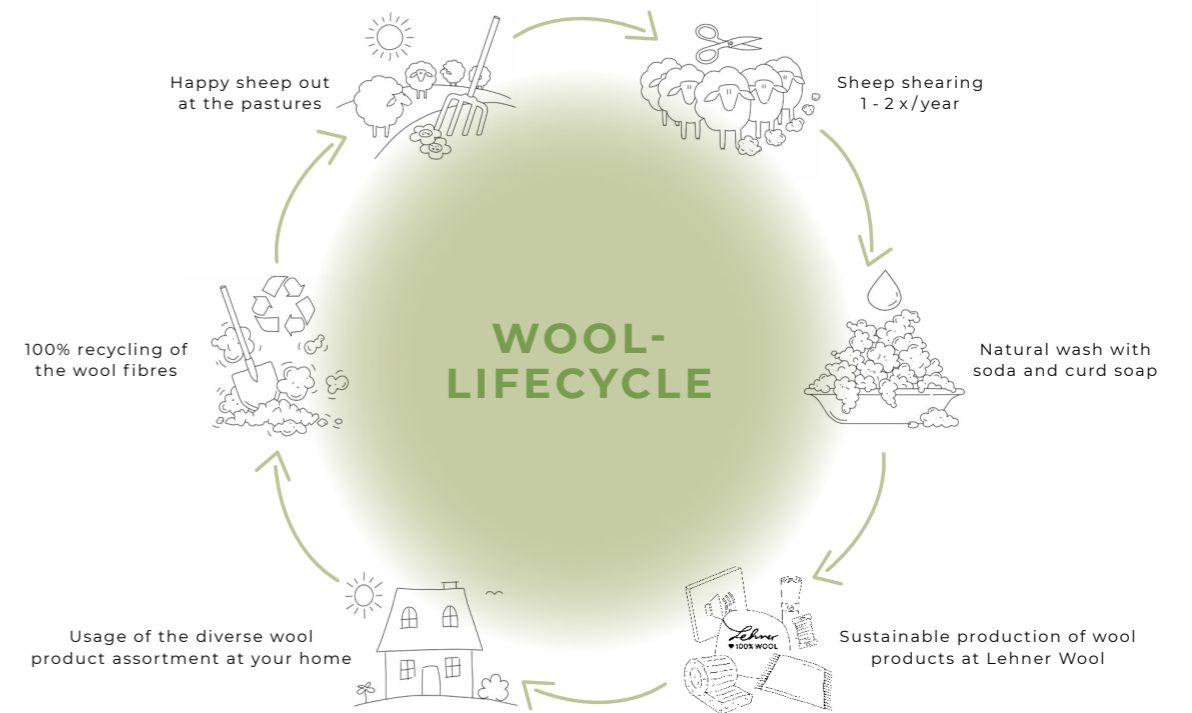




# THE PLUS IN SUSTAINABILITY.



**SOLENA** is the insulation material of today and tomorrow for environmentally-conscious people who think about their ecological impact. This is because only the wool of living sheeps is suitable for the production of insulation materials with such high quality standards. Only this wool is so elastic, full and alive, and also remains so, which is necessary for it to fulfill the many roles of an insulation material.



## UTILIZE CO<sub>2</sub> SAVINGS POTENTIAL.



Using 1 t of **SOLENA** 100% sheep wool can save more than **1.6 t of CO<sub>2</sub>** compared to conventional insulation materials.

**Our goal at Lehner Wool** has always been to use the natural properties of our raw material 100% sheep's wool and to demonstrate its positive effects. In times of global climate change with massive effects also on the building industry, we want to show the CO<sub>2</sub> saving potential directly in the application.



### WOOL ORIGIN

Our sheep wool comes straight from nature – more specifically – from sheeps from Central Europe. As the only natural insulation material, it is 100% integrated into natural cycle. **100% virgin sheep's wool = 100% natural.**



Ecological parameters	100% sheep wool SOLENA 18 kg/m <sup>3</sup> – 0,038 W/(mK) Natureplus® balance		Glass wool 18 kg/m <sup>3</sup> – 0,038 W/(mK) Value from „baubook“		Rock wool 28 kg/m <sup>3</sup> – 0,044 W/(mK) Value from „baubook“	
	per KG	per FE	per KG	per FE	per KG	per FE
Global warming potential GWP total [CO <sub>2</sub> eq.] incl. CO <sub>2</sub> storage	0,83	0,57	2,45	1,68	1,93	2,38
House with 60 m <sup>3</sup> insulation area 1 t sheep wool ≈ 1 t glass wool ≈ 1,59 t rock wool	<b>830 kg CO<sub>2</sub></b>		2.450 kg CO <sub>2</sub>		3.069 kg CO <sub>2</sub>	
CO <sub>2</sub> savings with the use of sheep's wool			1,62 t		2,24 t	

In the following, a comparison of insulation materials at the level of the same functional unit (FE), in this case thermal resistance, was carried out for a house with 60 m<sup>3</sup> insulation area. The conversation factor on 1 kg is calculated by multiplying the bulk density, thermal conductivity, thermal resistance and area:  $\rho[\text{kg/m}^3] \cdot \lambda[\text{W/mK}] \cdot R_0[\text{m}^2\text{K/W}] \cdot A_0[\text{m}^2]$  with  $R_0 = 1 \text{ m}^2\text{K/W}$  and  $A_0 = 1[\text{m}^2]$ . As a result of averaging based on production quantities, the average gross density for **SOLENA** insulation materials is 18 kg/m<sup>3</sup>.

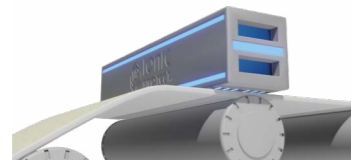
Source: Natureplus® LCA as part of the product review of Isolena 2016, ecoinvent 2.2 data basis.

# THE INNOVATIVE WOOL PROTECTION.

IONIC PROTECT® is the most valuable invention since virgin sheep wool has been used as an insulating material. It is a trademark-protected process developed by **SOLENA** to protect the wool from all wool pests. **Biocide-free** and **long-term tested according to EAD/CUAP**.

**The two major advantages of this method:**

- No chemical additives are required
- Plasma treatments are permanent i.e. once made they are irreversible and serve their purpose as long as the base material (virgin sheep wool) exists



HOW DOES IONIC PROTECT® WORK?



SCAN QR CODE FOR THE EXPLANATORY VIDEO!



With the long-term testing and the **SOLENA** product assurance easily downloadable for the builder on the website, you can rely on **SOLENA** sheep wool insulation with a clear conscience.

## DURABLE WOOL PROTECTION.

Treating the wool fibres with a plasma-ion treatment protects them from all negative external factors that could arise in the building. Moths and insects have no chance. In addition, our products can be **stored indefinitely** due to the wool protection.

# INSTALLATION OF **SOLENA** SHEEP WOOL INSULATION MADE EASY.

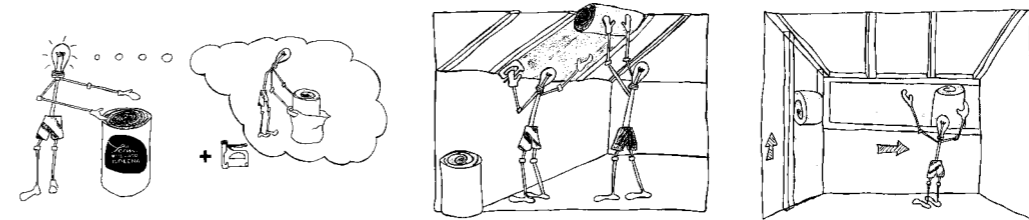
**SOLENA** sheep wool insulation is delivered ready-made to size and is easy to process. The rolls are easy to carry and no dust mask or protective clothing is required. During further processing, the sheep wool proves to be very kind to the skin and health.

### PROFESSIONAL INSTALLATION

Cutting to length is possible by hand without tools. Insert the insulation rolls from the bottom up and fix the sheep's wool to the rafters at the sides by stapling. Additional time savings are offered by the Premium insulation rolls with new strength and high insulation thicknesses, single layer up to 300 mm.

### METAL PROFILES

Insert the insulation rolls in the same way from the bottom to the top, but fix them to the rear planking at regular intervals by stapling.



GET VALUABLE TIPS & TRICKS HERE!



SCAN QR CODE FOR THE INSTALLATION VIDEOS!



## NO FIBER CONTAMINATION OF THE ROOM AIR.

Sheep wool provides the necessary security. Due to the spinning technology, **SOLENA** products contain sheep wool fibers with a minimum length of approx. 20 mm. Since the fleece rolls are cut at the side edges for assembly, it is possible that shorter fibers occur and that these come loose during assembly activities. When installed, no more fibers come out and thus, fiber contamination of the room air can be ruled out.

# MULTIPLE APPLICATION.



-  **1 ROOF EXTENSION**  
OPTIMAL  
PREMIUM
-  **2 CEILING**
  - 2A CEILING - overhead insulation**  
OPTIMAL  
PREMIUM
  - 2B STOREY CEILING, TIE-BEAM ROOF - insulated horizontally from above**  
OPTIMAL  
PREMIUM
  - 2C SOUND INSULATION**  
ACOUSTIC UNDERLAY FELT
-  **3 INTERIOR & EXTERIOR WALL**  
OPTIMAL  
PREMIUM
-  **4 INTERIOR FINISHING, ROOM AIR RENOVATION**
  - 4A PARTITION WALLS, INSTALLATION LEVEL**  
OPTIMAL  
KLEMMFILZ
  - 4B SUSPENDED CEILING**  
OPTIMAL PLUS  
KLEMMFILZ
  - 4C SOUND PROOF CEILING**  
ACOUSTIC UNDERLAY FELT
-  **5 FLOOR**
  - 5A FLOOR - insulated horizontally from above**  
OPTIMAL
  - 5B SOUND INSULATION**  
ACOUSTIC UNDERLAY FELT  
ACOUSTIC PERIMETER STRIPS
  - 5C ACOUSTIC UNDERLAY ROLL**
-  **6 WINDOW INSULATION**  
WINDOW FILLER  
LOOSE WOOL

 **1 2 3 4A 5 6 WOODEN CONSTRUCTION**



**IOLENA OPTIMAL**  
Thermal conductivity:  $\lambda_v$  0,038 W/mK  
Fire behaviour: D-s2, d0  
Length-related flow resistance  
 $r = 4,1 \text{ kPa s/m}^2$   
Thickness: 30 - 140 mm



**IOLENA PREMIUM**  
Thermal conductivity:  $\lambda_v$  0,035 W/mK  
Fire behaviour: D-s2, d0  
Thickness: 80 - 300 mm



SCAN QR CODE FOR THE **PRODUCTS!**



**IOLENA OPTIMAL PLUS**  
Thermal conductivity:  $\lambda_v$  0,035 W/mK  
Fire behaviour: D-s2, d0  
Superstructure testing: weighted sound absorption coefficient  $\alpha_w = 0,80$  (LH)  
Thickness: 30 - 80 mm



**IOLENA KLEMMFILZ**  
Thermal conductivity:  $\lambda_v$  0,033 W/mK  
Fire behaviour: D-s2, d0  
Length-related flow resistance  
 $r = 10,2 \text{ kPa s/m}^2$   
Thickness: 30 - 80 mm



**IOLENA ACOUSTIC UNDERLAY ROLL WITH BREATHABLE PAPER**  
Impact sound improvement up to 21 dB  
Thermal resistance:  $0,1 \text{ m}^2 \text{ K/W}$   
Thickness: 3,5 mm



**IOLENA ACOUSTIC UNDERLAY FELT**  
Fire behaviour: C-s2, d0  
Length-related flow resistance  
 $r = 29,5 \text{ kPa s/m}^2$   
Thickness: 9 & 18 mm



**IOLENA ACOUSTIC PERIMETER STRIPS**  
Fire behaviour: C-s2, d0  
Length-related flow resistance  
 $r = 29,5 \text{ kPa s/m}^2$   
Thickness: 9 mm



**IOLENA WINDOW FILLER**  
Fire behaviour: D-s2, d0  
Sound reduction index:  $R_{s,w}$  (C;  $C_v$ )  $\geq 62$  (-2; -5) dB



**IOLENA LOOSE WOOL**  
Vapour diffusion resistance factor  $\mu = 1$



Customizing: Your desired dimension upon request

WALL APPLICATION



FLOOR APPLICATION



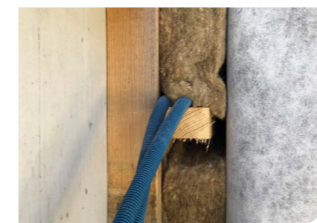
ROOF APPLICATION



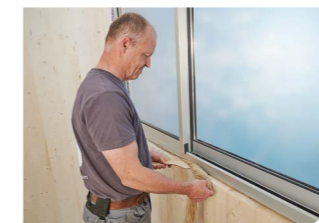
ACOUSTIC CEILING



FACADE APPLICATION



WINDOW APPLICATION



WOODEN FRAME CONSTRUCTION



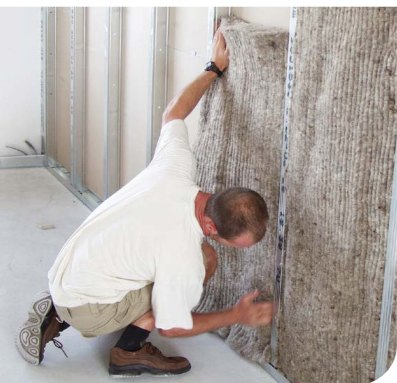
BLOCK PLANKING CONSTRUCTION



# GREATEST POSSIBLE SAFETY IN HANDLING.



- ✓ Inspection of all production batches by an authorized external inspection laboratory
- ✓ Wool equipped with wool protection IONIC PROTECT®: EAD/CUAP tested
- ✓ Internal quality inspection: weight, dimensions, density and voluntary inspection in accordance with the criteria of the ETA (European Technical Approval)
- ✓ Unique **SOLENA** permanently monitored density
- ✓ Every square meter of **SOLENA** insulation material carries our personal certificate; we guarantee the best quality and processing for your well-being



**SOLENA** sheep wool insulation is delivered in precisely cut sizes. So it's easy to use. No dust mask or protective clothing required. With further processing, wool exhibits **skin-friendliness and health benefits**.

**SOLENA** provides premium quality insulation materials for facades, floors, walls, ceilings and roofs for new constructions as well as renovation projects. The PREMIUM insulation rolls with new stability and high insulation strengths can save you even more time – single-layer up to 300 mm and with no artificial additives.



# WELCOME TO THE FEEL-GOOD HOME.



## EXCELLENT ADVICE.

*Enthusiasm connects*



# FOUND IN THE BEST HOUSES.

Wellbeing houses of all kinds



## BLOCKHOUSE ABENDROT, AT

Modern and light-flooded is this blockhouse with its numerous windows. ISOLENA sheep wool insulation is used for thermal insulation.

**PLANNING & IMPLEMENTATION** – SCANDINAVIAN BLOCKHAUS BAU GMBH



## HARREITHER/PRAMREITER FAMILY HOME, AT

In the light-flooded, modern bungalow in timber construction, sheep's wool insulation is in the ceiling, walls, floor and roof. The impressive house was awarded with the 2016 Lower Austrian Timber Construction Prize.

**CLIENT** – ELISABETH & THOMAS HARREITHER  
**ARCHITECT** – PHILIPP BERKTHOLD



## TRADITIONAL YURT, AT

This traditional yurt is located in a quiet area at the edge of the forest. Among the natural building materials, our sheep's wool is also used as insulation.

**PLANNING & IMPLEMENTATION** – JONATAN VERHELST, jonat.at



## VAN CONVERSION, AT

Sandra and Joriën live in a van and have insulated it with ISOLENA sheep wool insulation. In an interview they talk about the conversion and give tips for prospective van couples.

**VAN CONVERSION** – SANDRA AND JORIËN



## KINDERGARTEN MONDSEE, AT

The well-being of the children is the focus of the Montessori Forest Kindergarten. The new building, constructed in 2008, is completely insulated with healthy ISOLENA sheep wool insulation.

**CLIENT** – MONTESSORI FOREST KINDERGARTEN  
**ARCHITECT** – DI DAVID EBNER  
**EXECUTOR** – JAKOB EBNER BAU GMBH  
**APPLICATION** – TOTAL PROJECT WITH SHEEP WOOL INSULATION



## PASSIVE HOUSES/ SINGLE FAMILY HOUSES, AT

These single-family houses near Vienna present themselves in a modern way. The wall insulation and ceiling insulation of the passive houses were made with sheep's wool.

**CLIENT** – FAMILY AICHHOLZER  
**ARCHITECT** – MAGK ARCHITECTURE  
AICHHOLZER KLEIN ZT OG  
**EXECUTOR** – CARPENTRY PROKSCHWEILGUNI OEG  
**APPLICATION** – SHEEP WOOL INSULATION WALLS AND CEILING



## SURFPOINT TINY HOUSE, IT

At Lake Idro, „surf point.it“ takes care of everything that has to do with surfing and biking. The base station for this is the mobile Tiny House, completely insulated with ISOLENA Optimal.

**CLIENT** – SURFPOINT.IT  
**ARCHITECT** – LISA POSCH  
**EXECUTOR** – FLORIAN RADNER, radner.org



## DACHSBERG HIGH SCHOOL, AT

In the new gymnasium of the Dachsberg Gymnasium, a ceiling with Heradesign acoustic panels ensures good sound. The sound insulation is supported by a ceiling structure with healthy ISOLENA sheep's wool.

**CLIENT** – DACHSBERG GRAMMAR SCHOOL  
**ARCHITECT** – MATULIK ARCHITECTS



## BREGENZ FESTIVAL HALL, AT

In the Festspielhaus Bregenz, talented artists provide for harmonious sounds, but also an acoustic ceiling with ISOLENA sheep's wool insulation.

**CLIENT** – OFFICE OF THE PROVINCIAL CAPITAL BREGENZ  
**ARCHITECT** – DIETRICH/UNTERTRIFALLER ARCHITEKTEN ZT GMBH  
**EXECUTOR** – TROCKENBAU MÜNCHEN GMBH  
**APPLICATION** – SOUND INSULATION (ACOUSTIC CEILING)



## CLIMATE PROTECTION SUPERMARKET, AT

With its climate protection stores, the traditional company Spar has set new standards in the construction of its supermarket branches. The store in Linz-Froschberg stands out for its wall insulation with healthy sheep's wool.

**CLIENT** – SPAR ÖSTERREICHISCHE WARENHANDLS-AG  
**ARCHITECT** – ARCH. DI REINHOLD KROH  
**EXECUTOR** – SECCO CONSTRUCT GMBH  
**APPLICATION** – SHEEP WOOL INSULATION WALLS



## SCHOOL FELBEN-WELLHAUSEN, CH

Sustainability played a decisive role in the new construction of the Oberstufenzentrum Ost in Felben-Wellhausen. After commissioning, a nasty discovery was made: far too high formaldehyde levels in the interior rooms! By using sheep's wool, a costly and time-consuming deconstruction or demolition could be avoided.

**CLIENT** – UPPER SCHOOL MUNICIPALITY FRAUENFELD  
**APPLICATION** – SHEEP WOOL INSULATION IN CEILINGS AND WALLS FOR AIR PURIFICATION AND POLLUTANT REMEDIATION



## COMMUNITY CENTER LUDESCH – HOUSE OF THE FUTURE, AT

The house was built as part of the ecologically and sustainably oriented „House of the Future“ program. Partition walls and acoustic ceilings are insulated with healthy ISOLENA sheep's wool.

**CLIENT** – MUNICIPALITY LUDESCH  
**ARCHITECT** – ARCHITEKTURBÜRO DI HERMANN KAUFMANN  
**EXECUTOR** – ARGE WUCHER BAUNTERNEHMEN GMBH & CO KG AND SUTTER HOLZBAU GESMBH  
**APPLICATION** – SHEEP WOOL INSULATION BETWEEN WALLS, SOUND INSULATION (ACOUSTIC CEILING), INSTALLATION LEVEL



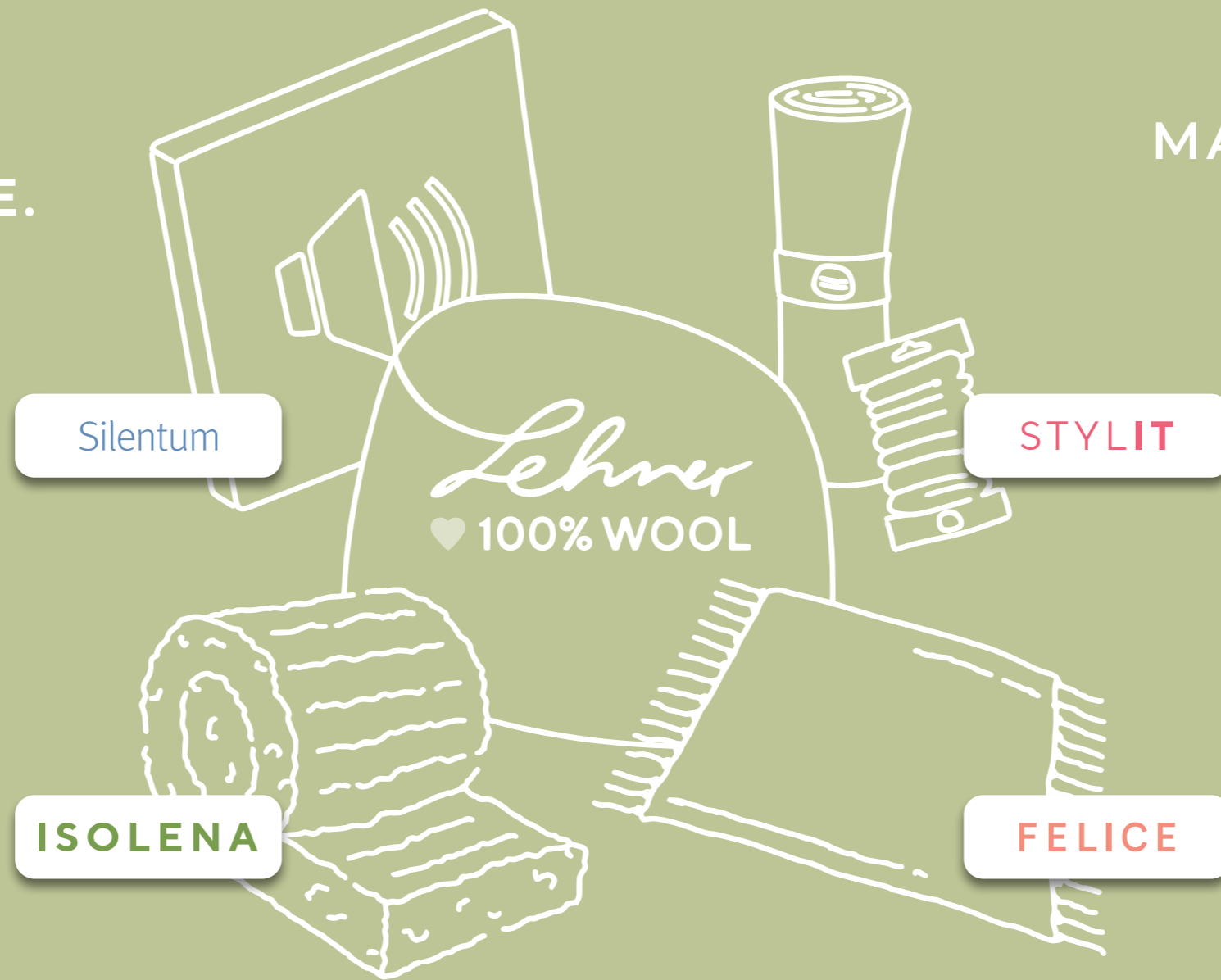
SCAN QR-CODE HERE!

FOR MORE **KNOW-HOW**,  
EXCITING INTERVIEWS  
AND INTERESTING FACTS!



EVERYTHING  
FROM ONE HOUSE.

MANUFACTURED  
IN AUSTRIA.



„Our vision is  
to make the world  
honestly sustainable  
through sheep wool.“



SCAN QR CODE FOR  
OUR BRANDS!

**We love 100% virgin sheep's wool:** that is what we stand for, that is our signature, our conviction, our drive. Since the foundation of our company in 1969 with the carpet weaving mill, inspired by the in-house spinning mill and a wide variety of partners, a multitude of business fields

have developed from this. The versatile use of sheep wool shows our love for product development. Thus, we also produce **wool products for the garden, mattress fleeces, foodpackaging, polishing discs** and much more.



Natural. High quality. Healthy.

**Acoustics, Indoor air,  
Interior Design**



Silentum is the innovative sound insulation and indoor climate system for the design of contemporary living and working environments.



Natural. High quality. Intelligent.

**Sheep's wool insulation,  
Soundproofing,  
Indoor air**



Sustainable solutions made from 100% pure new sheep's wool for your building and renovation projects.



Natural. High quality. Inspiring.

**Decoration,  
Inspiration, Indoor &  
Outdoor**



1001 ideas made from 100% pure sheep's wool inspired by international designers and trend experts.



Natural. High quality. Flexible.

**Interior Design,  
Carpet System,  
Flexible Wool Carpets**



Interior design rethought. FELICE is the changeable wool carpet made of 100% pure new sheep's wool that adapts to all requirements of modern living and working environments.

FOR REGULAR  
INFORMATION SUSCRIBE  
TO OUR **NEWSLETTER!**



SCAN QR-CODE  
HERE!

