

# ISOLENA

♥ 100% WOOL

SHEEPWOOL: A NATURAL INSULATOR

**HEALTHY** INSULATION CAN  
NATURALLY DO MORE.



- Leaf icon
- CO<sub>2</sub> icon with downward arrows
- Plus sign icon
- Sheep icon
- Plus sign icon
- Heart icon
- Plus sign icon
- Sheep icon with snowflakes
- Plus sign icon
- Speaker icon with sound waves
- Plus sign icon
- Shield with flame icon
- Plus sign icon
- IP IONIC PROTECT logo
- Plus sign icon

# 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 a unique, sustainable raw material whose use is the order of the day.



## A SUSTAINABLE NATURAL PRODUCT

The natural product sheep's wool is a renewable raw material that is 100% reusable and recyclable. At the end of its life cycle, **SOLENA** sheep's wool insulation can be completely returned to the ecological cycle, unmixed and free of impurities.



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

As a regional insulation manufacturer, **SOLENA** achieves an excellent ecological balance, as evidenced by the Natureplus® and EPD certificates. Compared to conventional insulation materials such as mineral or rock wool, up to 73% CO<sub>2</sub> emissions can be saved according to the LCA.



## EXCELLENT INSULATION PERFORMANCE

**SOLENA** sheep's wool insulation naturally achieves top insulation values due to its low thermal conductivity ( $\lambda_{tr}$  0.033 – 0.038 W/mK). In addition to its insulating function, it offers a unique combination of product benefits unmatched by any other insulation material.



## PURIFICATION OF THE ROOM AIR

Sheep's wool is characterized by its low emission load and is able to purify the air in a room of many odours and pollutants, such as formaldehyde, which leads to a healthier indoor climate.



## A HEALTHY INDOOR CLIMATE TO FEEL GOOD

Sheep's wool naturally regulates room humidity and can absorb up to 33% of its own weight in moisture without losing any of its insulating properties. When the environment is dry, it releases the absorbed moisture in a controlled manner.



## EXCELLENT SOUND INSULATION

Thanks to the fine structure of the wool fibers, sheep's wool has exceptional sound-absorbing properties. This makes **SOLENA** sheep's wool insulation particularly suitable for demanding acoustic optimizations. Certified system structures prove the excellent sound absorption.



## SAFE FIRE PERFORMANCE

**SOLENA** sheep's wool insulation is the only renewable raw material to achieve a fire classification of C or D according to EN 13501-1, depending on the product. With a self-ignition temperature of 560 to 600 °C, the natural wool fiber exceeds a value twice as high as wood (270 °C).



## IONIC PROTECT® – THE BIOCIDES-FREE WOOL PROTECTOR

Exclusively developed by **SOLENA**, Ionic Protect® permanently protects sheep's wool from pests without the use of biocides. This unique treatment guarantees the permanent function of the insulation, which has been confirmed by long-term laboratory tests (EAD/CUAP).



## SUSTAINABLE



## CO<sub>2</sub> SAVING



## SHEEP WOOL INSULATION



## AIR PURIFICATION



## HUMIDITY REGULATION



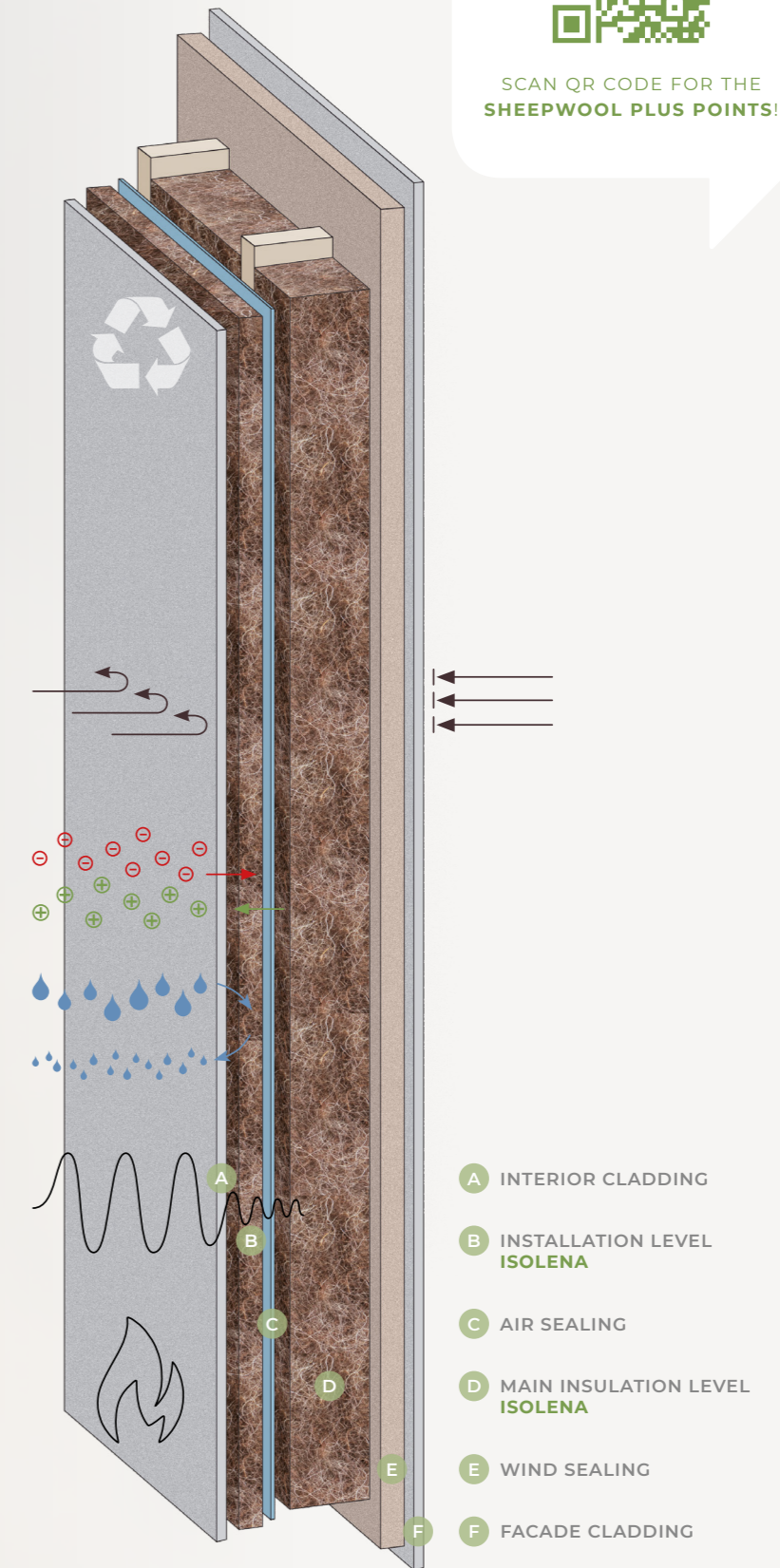
## SOUND INSULATION



## FIRE PROTECTION



## WOOL PROTECTION



SCAN QR CODE FOR THE SHEEPWOOL PLUS POINTS!

# THE PLUS IN SUSTAINABILITY.



**ISOLENA** 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.



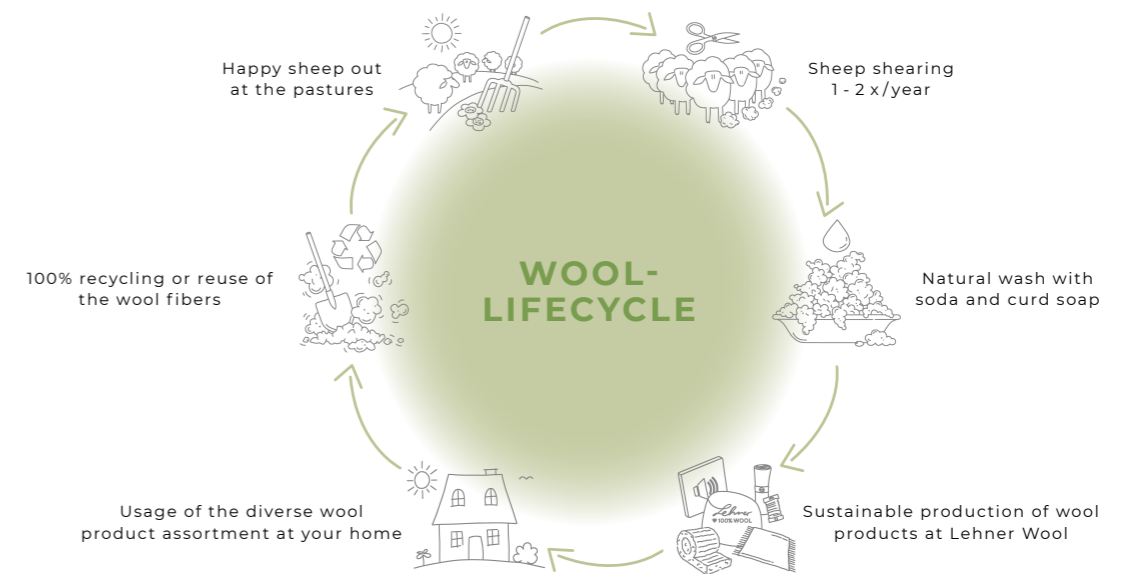
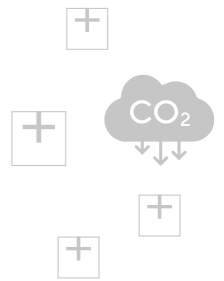
## WOOL ORIGIN

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



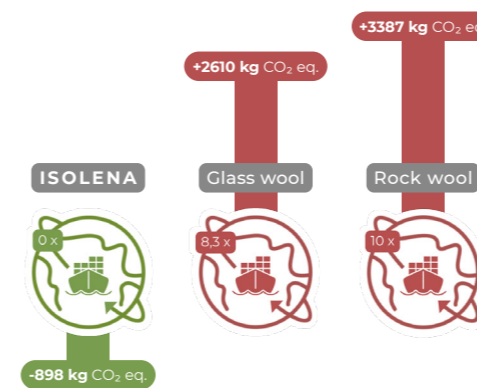
# BUILDING CIRCULARLY AND BINDING CO<sub>2</sub>.

In respect of the effects of climate change and the associated demands on the construction industry we would like to emphasize the **CO<sub>2</sub> saving potential** of sheep's wool. Especially in the life cycle phases of production (A1-A3) and recycling (D) according to DIN EN 15804.



## SAVINGS EXAMPLE DETACHED HOUSE WITH 60 m<sup>3</sup> INSULATION AREA

- **ISOLENA** achieves **savings** of 898 kg CO<sub>2</sub>-eq. GWP (A1-A3): -19.3 kg CO<sub>2</sub>-eq.
- If you insulate in the same project with **glass wool** this causes **outputs** of 2,610 kg CO<sub>2</sub>-eq. **ISOLENA** therefore saves **3,508 kg CO<sub>2</sub>-eq.** in.
- If you insulate with **rock wool** this even causes **outputs** of 3,387 kg CO<sub>2</sub>-eq. **ISOLENA** therefore saves **4,285 kg CO<sub>2</sub>-eq.** in.



**To make the figures more tangible:** With glass wool, the CO<sub>2</sub>-emissions of one tonne of cargo transported by container ship 8.3 times around the world. In the case of rock wool, the freighter even travels around the globe 10 times.

Data basis: ISOLENA Environmental Product Declaration (EPD) in accordance with EN 15804+A2, with database ecoinvent v3.9.1, baubook guideline value table, and International Chamber of Shipping.

# 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.



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 – 0.038 W/mK**.

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



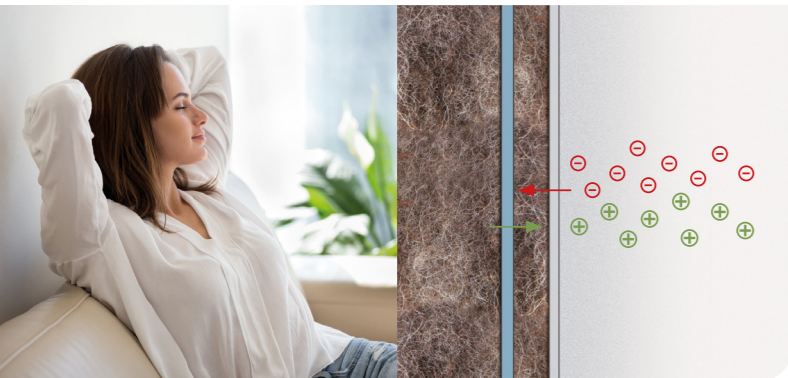
Material	W/mK
Bricks	0.500 – 1.100
Hemp	0.040 – 0.045
Cellulose	0.039 – 0.045
Rock wool	0.035 – 0.040
Styrofoam	0.035 – 0.050
<b>SOLENA</b> Sheep's wool	<b>0.033 – 0.038</b>
Glass wool	0.032 – 0.048
Polyurethane	0.023 – 0.029
Exp. Polystyrene (EPS)	0.031 – 0.045

# 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

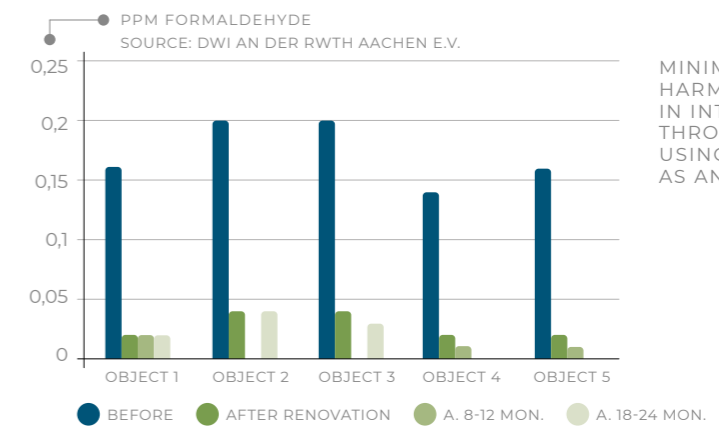


SHEEP WOOL  
REMOVES HARMFUL  
SUBSTANCES  
FROM THE AIR.

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.

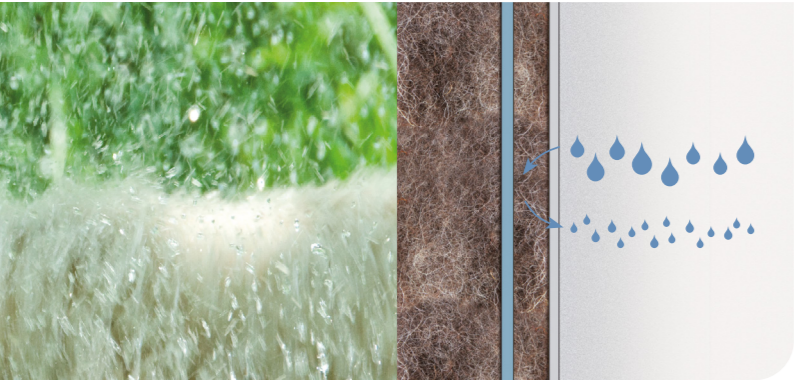


Investing in a healthy indoor climate. All you need is to install **ISOLENA** sheep wool as close as possible to the interior, such as in the installation levels, interior walls or false ceilings, inside the vapor barrier in the roof structure or in the acoustic levels.



# 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.



**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.



## 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.

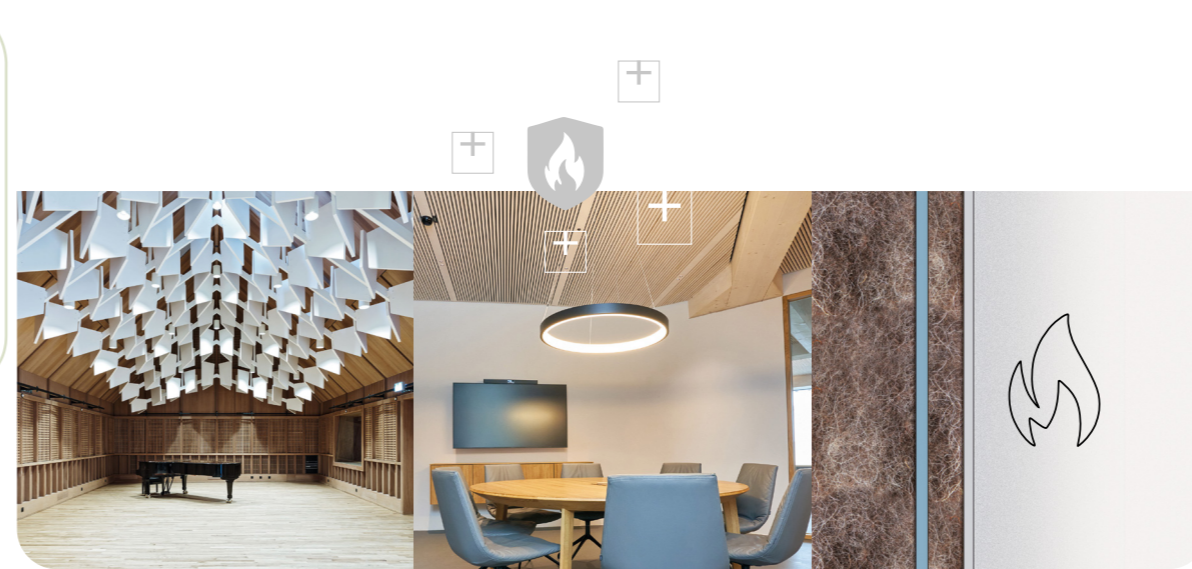


# SETTING QUALITY AND

# SAFETY STANDARDS.

## Sound insulation with sheep wool

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

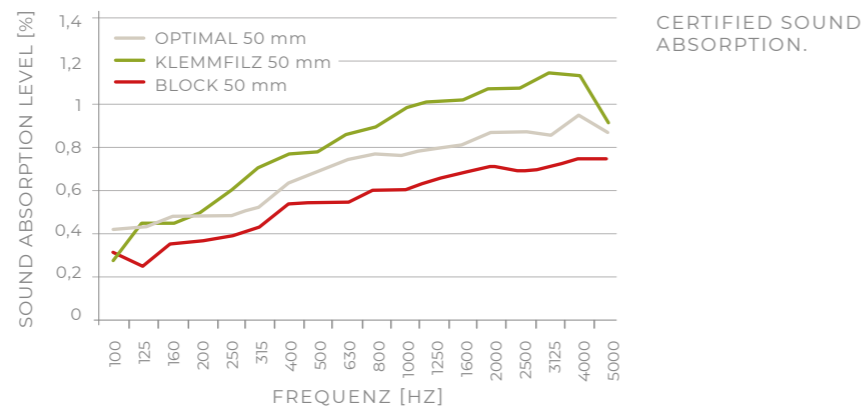


## Fire protection with sheep wool

When it comes to fire protection, **SOLENA** 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\***.



There is a good reason why **SOLENA** 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.



EXCELLENT SOUND INSULATION.

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



## FIRE RESISTANCE CLASSIFICATION

\*Due to the consistent use of 100% virgin sheep's wool, the special **SOLENA** 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 13501-1.



## Classification of the fire behavior of an acoustic ceiling element:

- Perforated plasterboard panel, Thickness 12 mm, perforation 18/18 – 5 mm diameter
- **SOLENA** 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. **SOLENA** is thoroughly and continuously inspected by the accredited authorities.

## FIRE RESISTANCE CLASSIFICATION

In our tested system with **knauf**, we achieve a fire resistance class of **EI 90** for single and double stud walls with two-layer planking. Details can be found in our specific system brochure *Sustainable drywalls*.



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.



# 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.



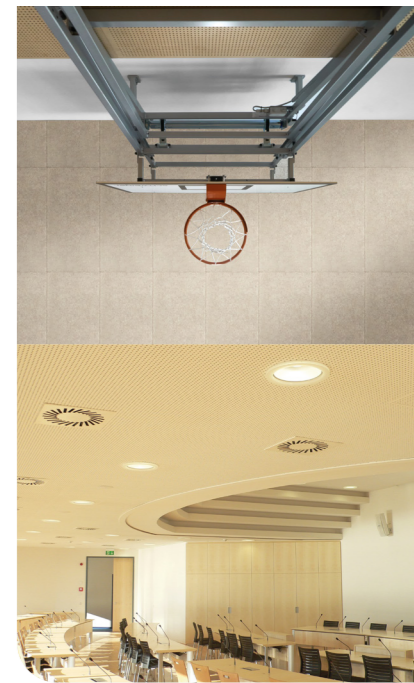
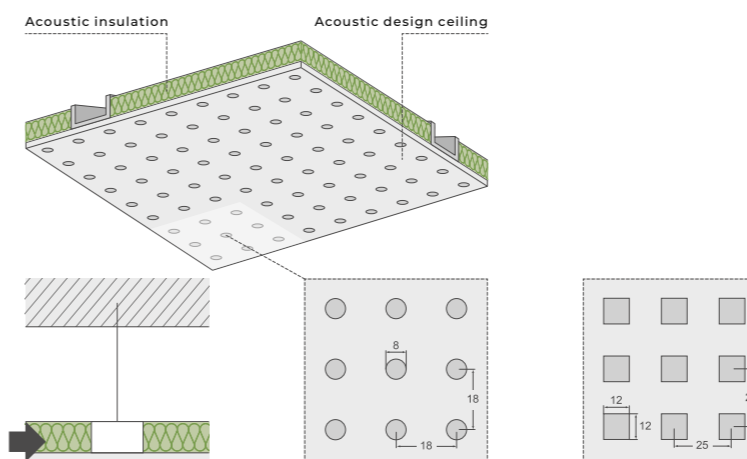
## GEPRÜFTE SYSTEME ZUR SCHALLOPTIMIERUNG

Nr.	Partner	Acoustic panel	Acoustic overlay ISOLENA Optimal Plus	Acoustic fleece	Weighted sound absorption coefficient* ( $\alpha_w$ )
1		<b>Ceiling tile, hole pattern 8/18R</b> Panel thickness: d = 12.5 mm Mass per unit area: 8.50 kg/m <sup>2</sup> Perforated area: 15,5 %	Bulk density: 22 kg/m <sup>3</sup> Thickness: 30 mm	Typ 2010	0,75
2		<b>Ceiling tile, hole pattern 12/25Q</b> Panel thickness: d = 12.5 mm Mass per unit area: 7.70 kg/m <sup>2</sup> Perforated area: 23 %	Bulk density: 22 kg/m <sup>3</sup> Thickness: 30 mm	Typ 2010	0,8
3		<b>HERADESIGN® Superfine 25 mm</b> Panel size: 1200 x 600 mm Panel thickness: d = 25 mm Edge detail: AK-01 Perforated area: 12.5 kg/m <sup>2</sup>	Bulk density: 22 kg/m <sup>3</sup> Thickness: 30 mm	----	0,75
4			Bulk density: 22 kg/m <sup>3</sup> Thickness: 60 mm	----	0,8
5			Bulk density: 50 kg/m <sup>3</sup> Thickness: 25 mm	----	0,8

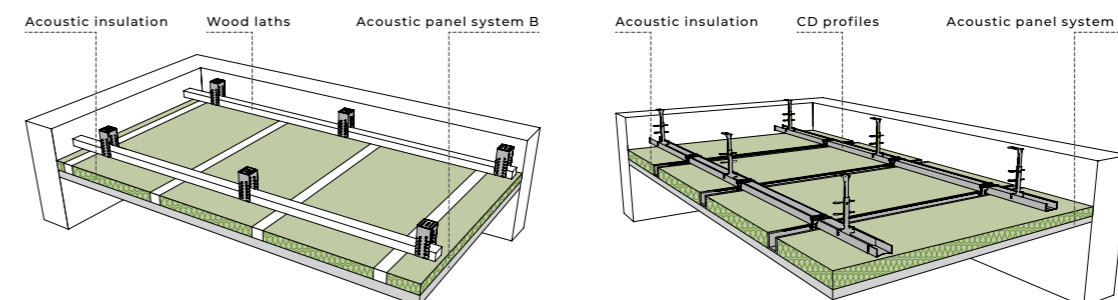
\*According to ÖNORM EN ISO 11654

## TESTED SYSTEMS: DETAIL DRAWINGS

### 1 2 Acoustic design panels with ISOLENA Optimal Plus



### 3 4 5 Acoustic ceiling panel made of wood wool with ISOLENA Optimal Plus



**Pssst!**

**How are your room acoustics?**

Experience the acoustic improvement with the **acoustic calculator**. Scan the QR code & listen to the optimisation!



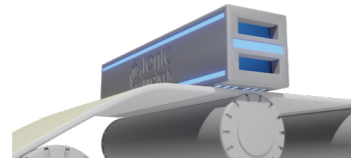
SCAN QR CODE FOR  
THE **ACOUSTIK CALCULATOR!**

# 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.

## PROFESSIONAL INSTALLATION

Cutting can be done manually without tools. Insert the insulation rolls from bottom to top and fix the sheep's wool to the rafters by stapling it on the sides.

**Variant with installation aid WoolFix:** Mount the **WoolFix** installation aid on the wall, then evenly roll the insulation from bottom to top over the **WoolFix**. The fibers of the insulation material hook into the needles of the installation aid, ensuring a stable, slip-resistant attachment.



Installation aid WoolFix

Cutting tool for SOLENA insulation materials



SCAN QR CODE FOR THE INSTALLATION VIDEOS!

## SOLENA TIP:

By simply tearing the insulation at the desired spot, cables can be installed from the back to the front without any additional effort.

## SOLENA TIP:

Drilling sockets is not a problem in dry-wall construction. It should be noted that the centering drill bit has a maximum overhang of 1 cm beyond the drill crown.



## WNO FIBER CONTAMINATION.

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  
PERIMETER STRIPS
  - 5C ACOUSTIC UNDERLAY ROLL**
- 6 WINDOW INSULATION**  
WINDOW FILLER  
LOOSE WOOL

**WOODEN CONSTRUCTION**



**ISOLENA OPTIMAL**  
Thermal conductivity:  $\lambda_r$  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



**ISOLENA PREMIUM**  
Thermal conductivity:  $\lambda_r$  0,035 W/mK  
Fire behaviour: D-s2, d0  
Thickness: 160 - 300 mm



**ISOLENA OPTIMAL PLUS**  
Thermal conductivity:  $\lambda_r$  0,035 W/mK  
Fire behaviour: D-s2, d0  
Superstructure testing: weighted sound absorption coefficient  $\alpha_w = 0,80$  (LH)  
Thickness: 30 - 60 mm



**ISOLENA KLEMMFILZ**  
Thermal conductivity:  $\lambda_r$  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



**ISOLENA 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



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



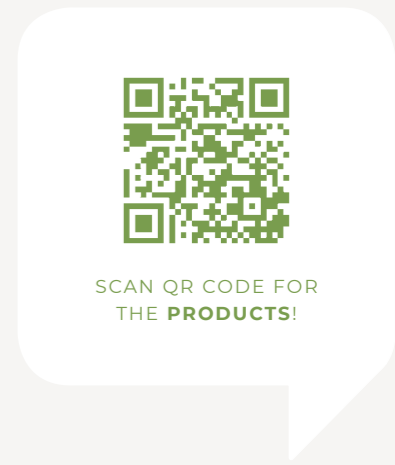
**ISOLENA PERIMETER STRIPS**  
Fire behaviour: C-s2, d0  
Length-related flow resistance  
 $r = 29,5 \text{ kPa s/m}^2$   
Thickness: 9 mm



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



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



Detailed product and technical information can be found on [www.baubook.info](http://www.baubook.info).

Customizing: Your desired dimension upon request

WALL APPLICATION



FLOOR APPLICATION



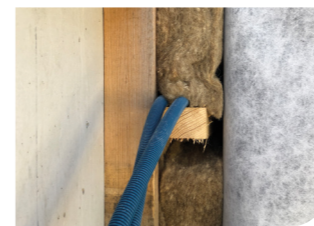
ROOF EXTENSION



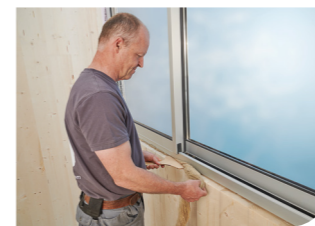
ACOUSTIC CEILING



FACADE APPLICATION



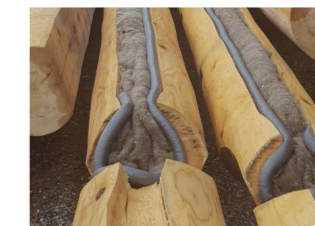
WINDOW APPLICATION



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.

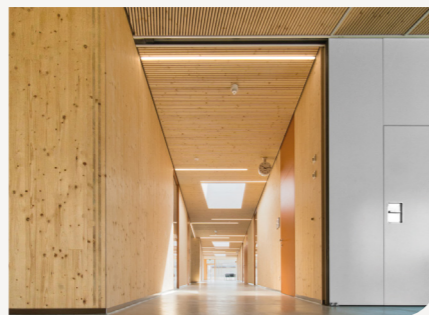
PLANNING & IMPLEMENTATION – JONATAN VERHELST, jonat.at



## 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)



## 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



## 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



## INFANTERIESTRASSE PRIMARY SCHOOL, DE

The city of Munich has enshrined in law that the city's building stock should be as climate-neutral as possible. In this Munich primary school, ISOLENA Optimal Plus sheep's wool insulation makes a contribution to this as an insulation layer in the suspended acoustic ceilings.

CLIENT – LANDESHAUPTSTADT MÜNCHEN  
ARCHITECT – BEHNISCH ARCHITEKTEN  
EXECUTOR – KAEFER CONSTRUCTION GMBH  
APPLICATION – INSULATION LAYER IN SUSPENDED ACOUSTIC CEILING



## 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



## TEAM 7 COMPANY HEADQUARTERS, AT

A sustainable and future-oriented building has been created with the TEAM 7 brand world. ISOLENA and Silentum products provide sound insulation and sound absorption.

CLIENT – TEAM 7 NATÜRLICH WOHNEN GMBH  
ARCHITECT – ARCHITEKTURBÜRO MATULIK  
EXECUTORS – TISCHLEREI GRÖMMER GMBH & SPERER ACOUSTICS GMBH  
PLANNING & IMPLEMENTATION – WOODY BY TEAMWORK  
APPLICATION – SOUND & ACOUSTIC INSULATION IN WALLS AND CEILINGS



## KINDERGARTEN ATZENBRUGG, AT

The Atzenbrugg kindergarten impresses with its sustainable architecture and flexible use. With ISOLENA sheep's wool insulation as external insulation, the building offers high resilience and energy efficiency, even in extreme flooding conditions.

CLIENT – MARKTGEMEINDE ATZENBRUGG  
ARCHITECT – ARCHITEKTIN DI ELISABETH SCHUH ZT GMBH  
EXECUTOR – FRANZ SCHÜTZ GMBH  
APPLICATION – SHEEP'S WOOL INSULATION IN EXTERNAL FACADE



## RESIDENTIAL PROJECT TABORAMA, AT

The "Taborama" residential tower rises 60 meters into the sky in Vienna's Leopoldstadt district. It is the first high-rise building in Austria to use natural sheep's wool as ecological interior insulation throughout the entire residential tower.

CLIENT/PRINCIPAL – STRABAG REAL ESTATE  
ARCHITECT – QUERKRAFT ARCHITEKTEN  
APPLICATION – INTERIOR INSULATION WITH SHEEP'S WOOL



## 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 BAUUNTERNEHMEN GMBH & CO KG AND SUTTER HOLZBAU GESMBH  
APPLICATION – SHEEP WOOL INSULATION (ACOUSTIC CEILING), INSTALLATION LEVEL



## MEDICAL CENTRE „HUMANUM“, AT

The „humanum“ medical and therapy centre in Alkoven combines sustainability with modern healthcare: For the interior insulation natural sheep's wool was used. The insulation ensures a pleasant indoor climate and excellent energy efficiency.

CLIENT – RAIFFEISENBANK REGION EFERDING  
ARCHITECT – KRAUS GEORG ARCHITEKT ZT GMBH  
EXECUTOR – AKUSTIKBAU GMBH  
APPLICATION – INTERIOR WALLS

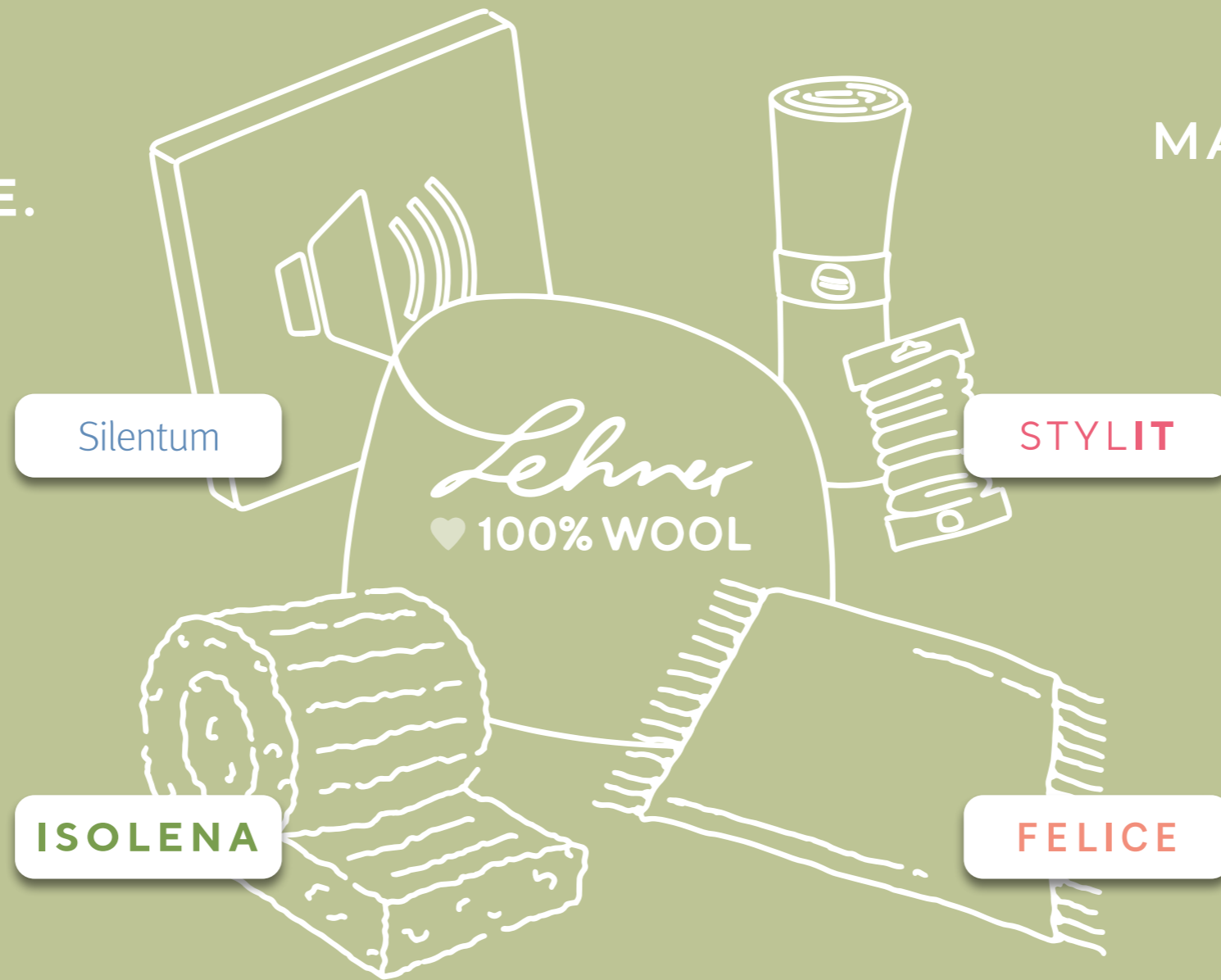


SCAN QR-CODE HERE!

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.



isolena.com | @lehnerwool

MÄÄHGA NEWS FOR YOUR  
INBOX, SUBSCRIBE TO THE  
**NEWSLETTER NOW!**



SCAN QR-CODE  
HERE!

