

The background image shows a wool processing facility. On the left, a worker is operating a large yellow PRANG machine. The machine is processing a large volume of raw wool, which is being moved along a conveyor system. The wool is a light, natural color. The facility has a wooden floor and walls. The overall lighting is warm and industrial.

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♥ 100% WOOL

Welcome

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An aerial photograph of a large industrial facility, likely a textile mill, featuring several large buildings with various roof types including grey, brown, and white. A prominent white building has a large array of solar panels on its roof. The complex is surrounded by residential houses with red-tiled roofs to the left and a parking lot with several vehicles to the right. A bright green line is drawn across the image, tracing a path through the industrial area and surrounding landscape. The text 'ISOLENA' is overlaid in large white letters, with '♥ 100% WOOL' below it.

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50 employees

in the Lehner-Wool Team



600 tonnes

sheep's wool per year



6.000 m²

production area



Sustainable products

Pollutant-free + recyclable



Think global

International distribution



Act Local

Made in Austria



Family business

for over 50 years



Living innovation

Research + Development



Quality assurance

in the production process



Service orientated

with a focus on solutions



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NATURAL INSULATION MATERIAL WITH MANY TALENTS

Sheep's wool insulation

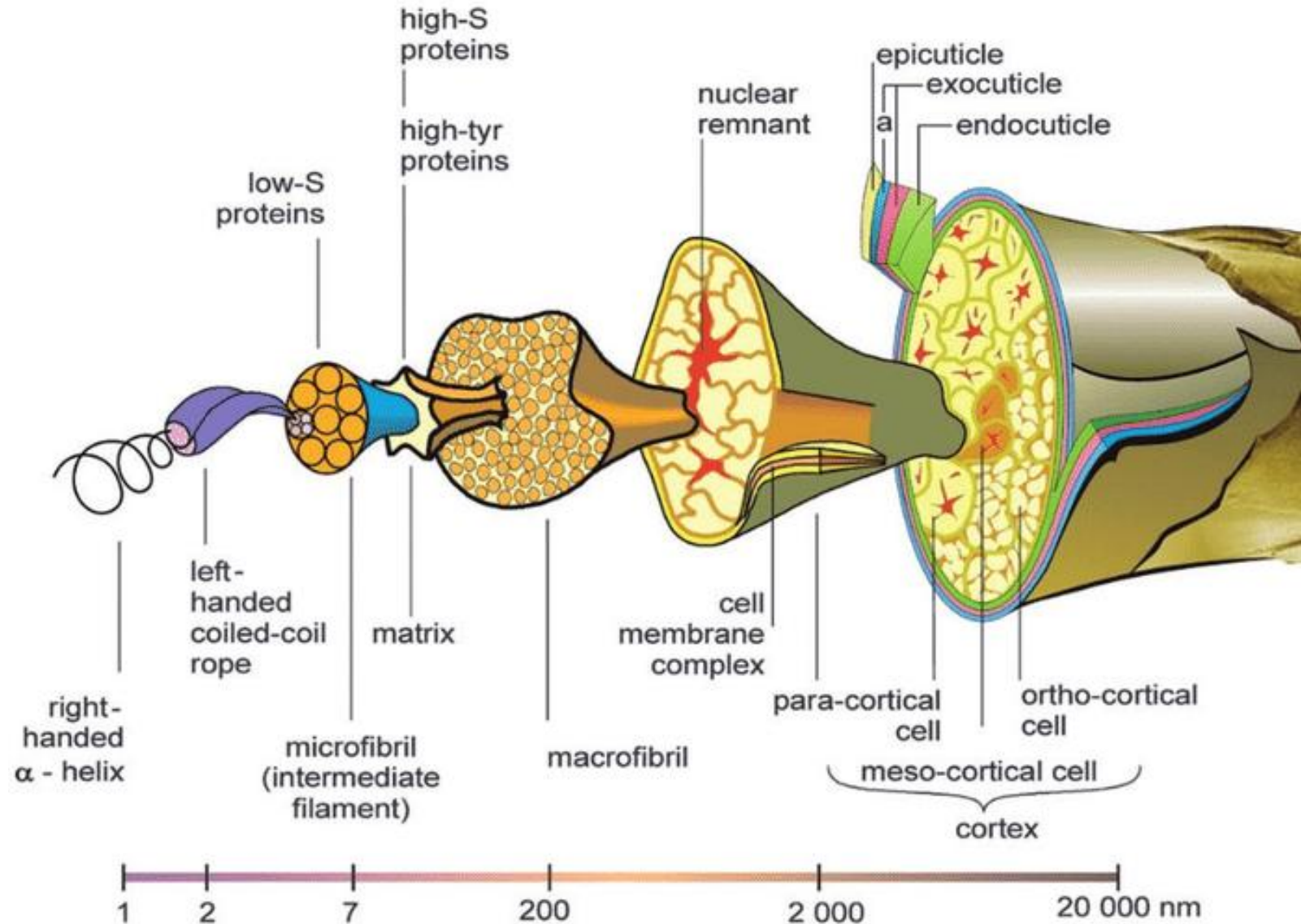


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Why
Sheep wool fibres?

Structure of the sheep's wool fibre



1. There are over **30,000 types** of sheep wool worldwide.
2. Wool's **natural wax coating** (lanolin) makes it water-repellent.
3. It can **absorb up to 33% of its weight** in moisture without feeling wet.
4. Wool helps **regulate indoor humidity** and **neutralizes toxins like formaldehyde**.
5. It effectively **prevents mold growth**.
6. Wool has a high **ignition temperature (560-600°C)**.
7. Wool **improves room acoustics** due to its fiber structure.
8. Wool has natural elasticity, allowing it to **stretch up to 30% of its original length**

Over 2 million tonnes of sheep wool are produced worldwide each year.

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Advantages of sheep's wool insulation



Best insulation values

Provides natural
0.033 - 0.038 W/mK



Cleans the Indoor air

Neutralises VOCs such as
e.g. formaldehyde



Regulated Moisture

Water-repellent, capillary
effect, constant insulation



Fire protection without chemicals

Classification B1, C
od. D according to EN
13501-1



Effective sound insulation

Thanks to the structure
of the wool fibres



Renewable natural product

Without additives, 100%
natural, recyclable



Ionic Protect® wool protection

Biocide-free protection
against wool pests



Easy as pie Installation

Without protective mask
and gloves



Certified Products

e.g. through the
natureplus® eco-label



CO₂ Savings

Sustainable resource-sav-
ing according to EPD.

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CO₂
Reduction

GWP total A1-A3=

-1,93kg CO₂ eq./m³

EPD
Certification



CO₂-showcase project
Taborama-residential building, Vienna, AT

Sheep's wool purifies the indoor air

Neutralise formaldehyde



Healthy indoor climate

Sheep's wool naturally creates a [healthy indoor climate](#) and therefore promotes your health. Sheep's wool has been proven to be able to **degrade pollutants and odours**, as shown in the adjacent measurement by the German Wool Research Institute.

The secret behind this excellent ability is **keratin**, the basic protein building block that makes up sheep's wool. The molecules of the amino acid side branches are able to [absorb and neutralise pollutants such as formaldehyde](#). This results in a **chemical reaction**, whereby the pollutants are converted or bound to these molecules.

The closer the sheep's wool is installed to the interior, the better the positive effect on the indoor climate. For example, installation levels, partition walls and suspended ceilings with sheep's wool insulation have a high effect on the indoor air.

UPPER SCHOOL CENTRE EAST, CH-8552 FELBEN-WELLHAUSEN (CANTON THURGAU, CH)

Breathe easy thanks to sheep's wool



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Installation



Drywall Customers

Dealers who value expert advice, with or without an online shop



Acoustics & indoor air quality renovation

Acoustic ceiling



Air quality renovation

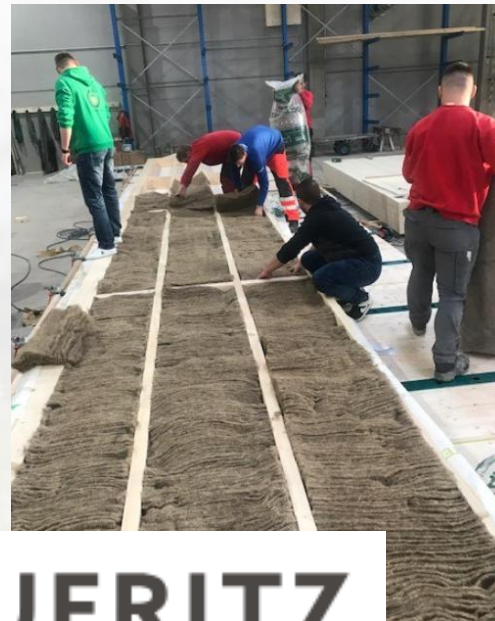


Timber construction customers

Timber Construction

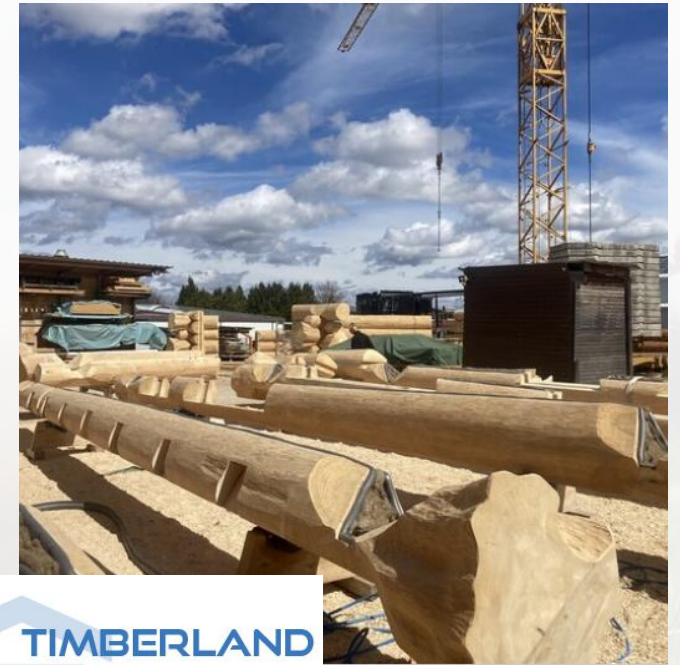


Prefabricated timber construction



BAUFRITZ

Log House



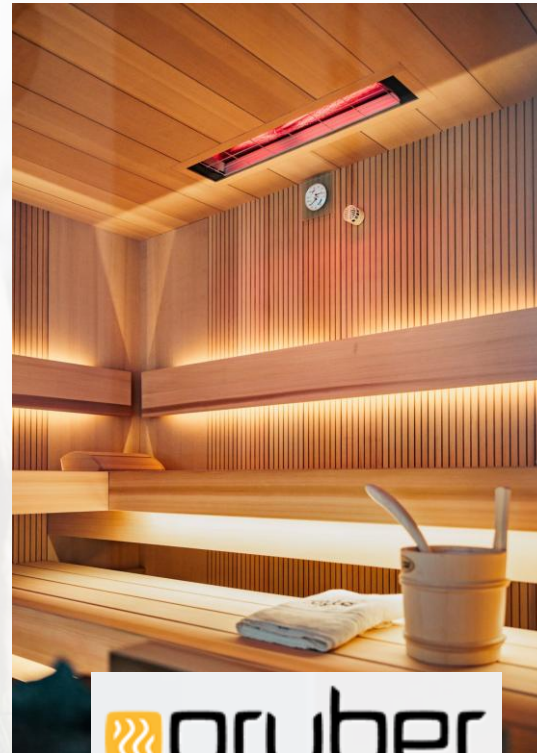
Wood Construction customers

Tiny-House



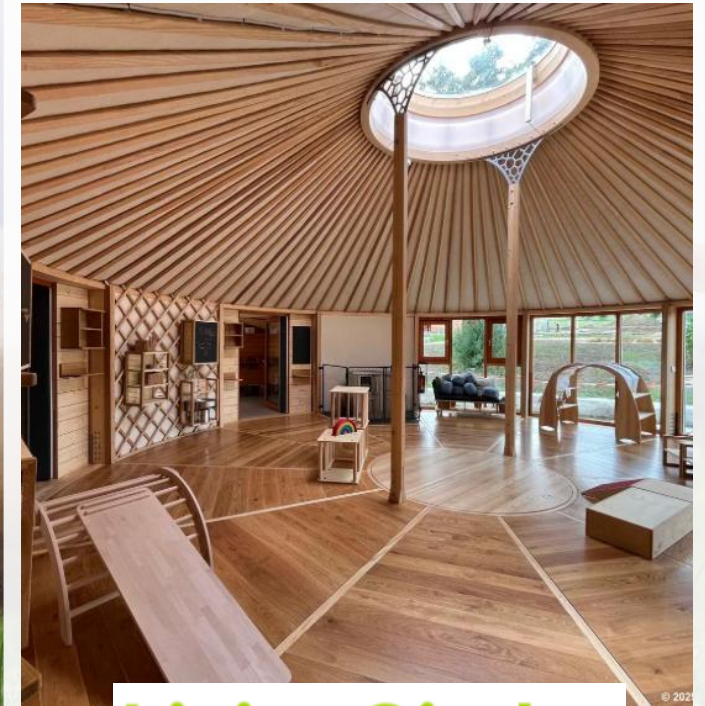
wohnwagen
MODULARE HOLZHÄUSER

Sauna



 **qruber**
sauna

Yurt



LivingCircles



Customers in the roofing and façade segment

Roof



Facade



Flat Roof

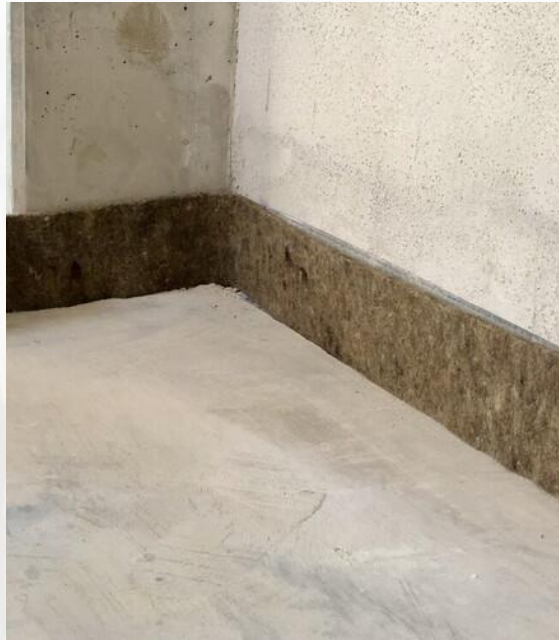


Customers in the flooring segment

Flooring



**Edge insulation
Perimeter**

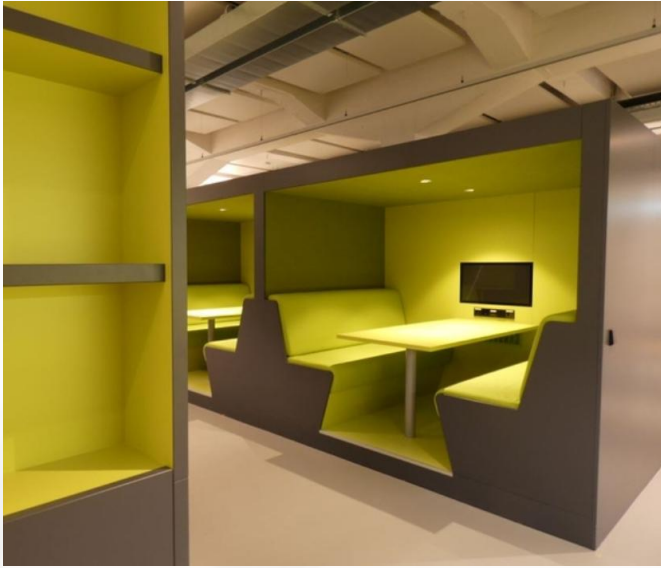


Acoustic decoupling



Acoustic & Sound-absorbing Paneling

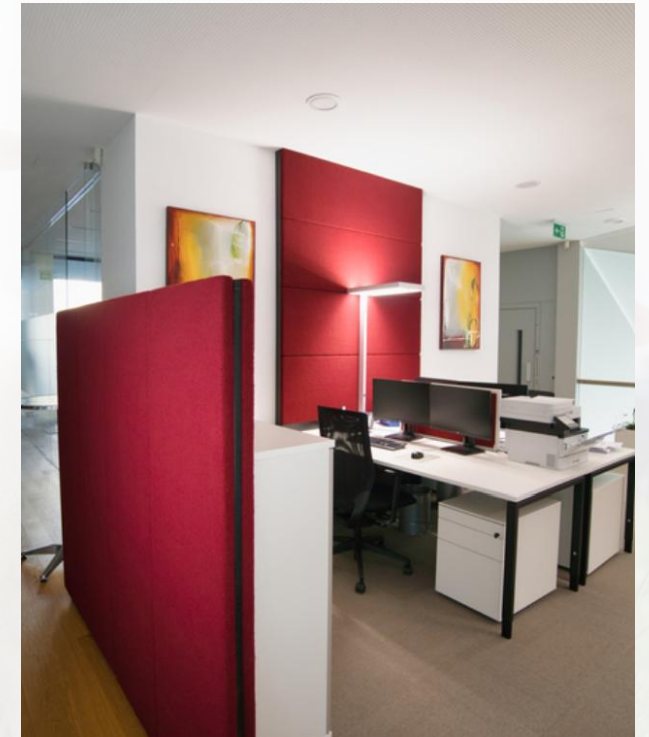
Sound-absorbing infill



Acoustic Panels ceiling



Acoustic Panels Wall



School Acoustic Wallpaper



Customers in the window manufacturing and installation sector.

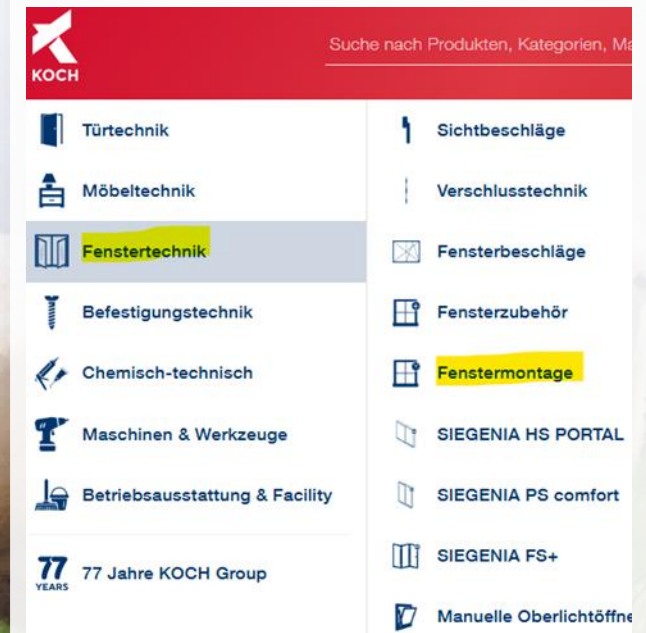
Window installer



Window manufacturer



Sealant dealers



End customers/users

Attic / loft conversion



Interior refurbishment



Campers





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Thanks