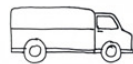
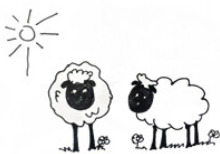


AOS acoustic filling – new sheep’s wool



Air purifying for a healthy room climate

Sheep’s wool not only has excellent acoustic properties, it also has the unique ability to filter and sustainably neutralize room air. Used as an acoustic filling material in various product series or as a visible absorber in the PUR12 Frame nature series, the extraordinary properties of sheep’s wool guarantee pleasant room acoustics and a healthy room climate.

Highly sound-absorbing

The good sound-absorbing properties of sheep’s wool are the basis for use in various AOS acoustic walls and wall absorbers. A multi-layer structure with dimensions that are precisely matched to one another produces the best acoustic results. The products are so versatile and offer architects and building physicists a great deal of creative freedom.

Sheep’s wool 100% sustainable

Sheep’s wool is a renewable raw material, ecological and recyclable - from nature to nature - and thus 100% sustainable.

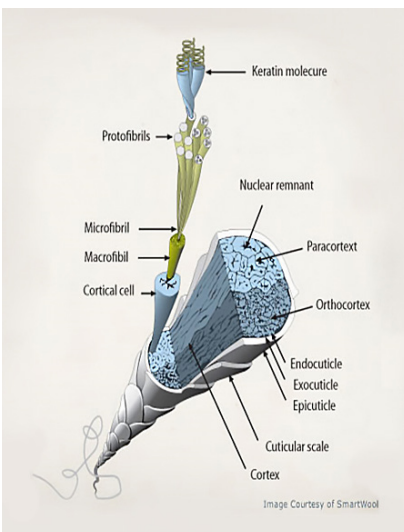
Safety and fire protection

Sheep wool from Upper Austria is used - uniquely reliable in terms of safety as well. Due to the consistent use of 100% pure new wool, the special processing technology and the innovative, biocide-free wool protection Ionic Protect, the new sheep wool acoustic filling achieves the fire protection classification D according to EN 13501-1.

Humidity regulation

Sheep’s wool has a hygroscopic effect, which means that it adapts very quickly to the ambient humidity around it and absorbs moisture when the humidity in the air is higher than the moisture leveling in the wool. If the room air is too dry, it releases the moisture again.

AOS acoustic filling
sheep's wool
100% sustainable



Sheep's wool as an acoustic filling in the partition walls of the AOS room partitioning system Mood Line.

The secret behind the ability to sustainably clean indoor air is the keratin, the protein fiber that makes up sheep's wool. The molecules of the amino acid branches are capable of pollutants such as for example absorbing and neutralizing formaldehyde.

Scientific evidence:

German Wool Research Institute „Absorption and binding of indoor pollutants by wool using the example of formaldehyde, chemisorption of protein reactive air pollutants by wool Diploma thesis Stefan Thome 2006, absorption of air pollutants by sheep wool