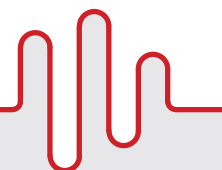


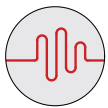
A.CM-Roller.Mesh

Acoustic Characteristics

ALPHA ACOUSTIKI

In TUNE with YOUR needs





A.cu-Roller.Mesh

Acoustic Roller-curtains **A.cu-Roller.Mesh** is a new series of sound-absorbing roller shades, made of special synthetic mesh fabric.

The selection of the perforation ratio and the size of the hole has been made after a specialized investigation of the sound absorption impact. The principle of operation is based on trapping the sound on the back of the fabric.

They allow you to change the light and acoustic conditions of the space with the use of the vertical movement mechanism that is at the top of the roller-curtain and works with a plastic chain.

ADVANTAGES

- Economic method of acoustic improvement
- Thermal insulation: prevents up to 90% of incoming heat helping to maintain a constant internal temperature.
- Easy installation
- Ability to achieve variable Reverberation time
- Sun light control (glare)
- Synthetic material with increased fire resistance.

The sound absorption coefficient can reach up to $\alpha_w = 0.45$.
Acoustic characteristics depend on the distance from the wall.
It has a class flame resistance certification B-s2,d0 according to EN ISO 13 501-1.



A.cu-Roller.Mesh
Acoustic Roller shades
made of special synthetic mesh fabric

TECHNICAL DATA

Dimensions: Width= (max) 1.80 m (other dimensions upon request)
Height= (max) 2.50 m (other dimensions upon request)

Perforation ratio: 1%

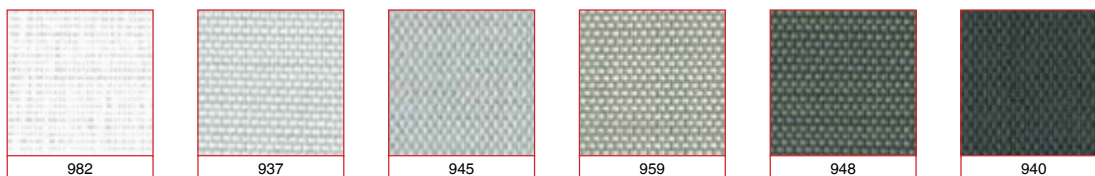
Compliance with the specifications of EN ISO 14501.

The roller-shade package includes all the hanging system from the wall or ceiling as well as its vertical rolling system.

Color: 6 standard colors (ref. to the color codes below)

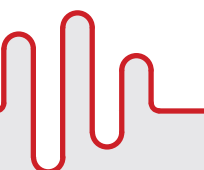
It is possible to choose additional color codes either by changing the perforation ratio (1%, 3%, 5%) or by printing the fabric, upon request.

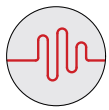
6 Different fabric colors



Maintenance

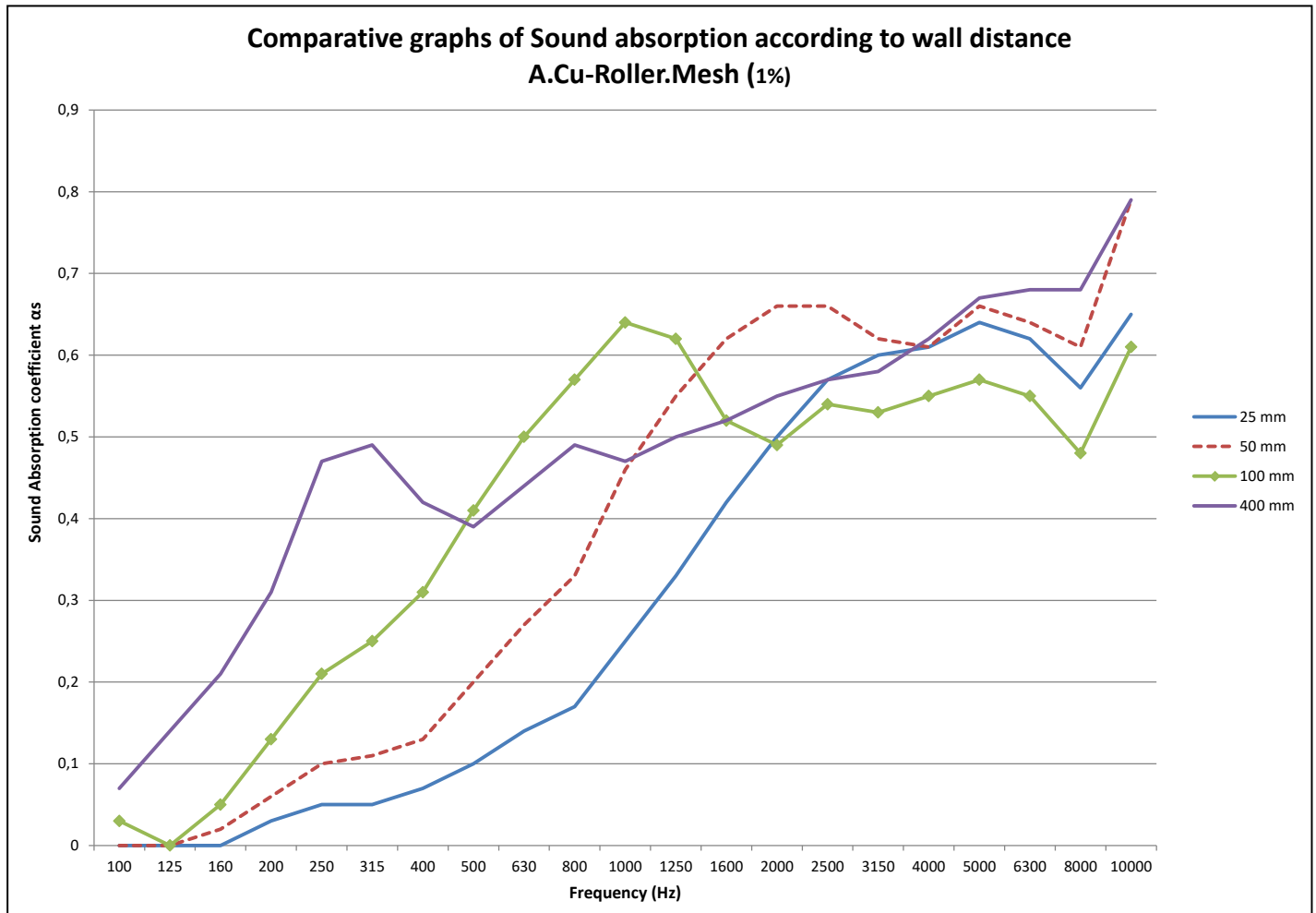
Regular cleaning with a vacuum cleaner. Local cleaning with a damp cloth or using a proprietary upholstery shampoo.





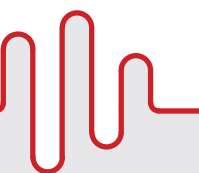
Excellent acoustic performance

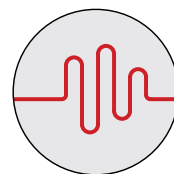
According to measurement of sound absorption coefficient in a reverberation room, the acoustic characteristics depend on the air gap behind the Roller Mesh. The measurements results are summarized in the below graph.



Wall distance	25 mm	50 mm	100 mm	400 mm
Weighted Sound Absorption Coefficient a_w	0.20	0.30	0.45	0.50

Sound Absorption Coefficient according to ISO 11654.1997





In **TUNE** with YOUR needs

ALPHA ACOUSTIKI Ltd combines technical experience and scientific knowledge of its Engineers who are specialized in the field of room acoustics since 1980.

We create workplaces where people choose to work, tailored to the specific requirements of each job, with particular attention to the acoustic necessities of the employee

DESIGNING FOR WELL-BEING

Please be informed about the rest of our creations in acoustic panels such as:

- **ALPHAcoustic-AC/sp** : Sound-Proofing curtains
- **ALPHAcoustic-AC/sa** : Sound-Absorbing curtains

Our technical department (tech@alphacoustic.com), would be happy to help you improve the Architectural Acoustics in your project.

