

## BIOISOLATOR

Bioisolator is a biotechnology company that through innovation and development produces and promotes eco-friendly products for the construction industry. Our products do not contain any environmentally hazardous components or chemicals.

By using extensive experience and new innovation, our unique products contribute to a healthy indoor environment – today and in the future.



 **BIOISOLATOR**  
**ACUSTICA**

## BIOISOLATOR - ACUSTICA

For a healthy indoor environment.

Bioisolator Acustica is our product line of wall covering material with unique, revolutionary sound absorbing properties.

The material is based on recyclable biomass and can be applied on all surfaces. Acustica contains no environmentally hazardous components or chemicals.

### SOUND ABSORBING

Acustica absorbs sound up to 24 dB.

Therefore the material is highly suitable in public environment or in other indoor places where groups of people spend their time.

## LESS IMPACT ON THE ENVIRONMENT

Acustica consists of organic material free of hazardous chemicals, toxins and heavy metals. The formula is simple and unique: cellulose, starch and water. The adhesive is composed out of nature's own starches and the material is recyclable - up to five times.

Many people suffer from different forms of allergies Acustica is dust free during the production process and antistatic when installed. This simplifies cleaning and contributes to a better indoor environment. Acustica is also fragrance free, moist- and moldresistant.

The product's low weight lowers the environmental footprint when considering transportation.



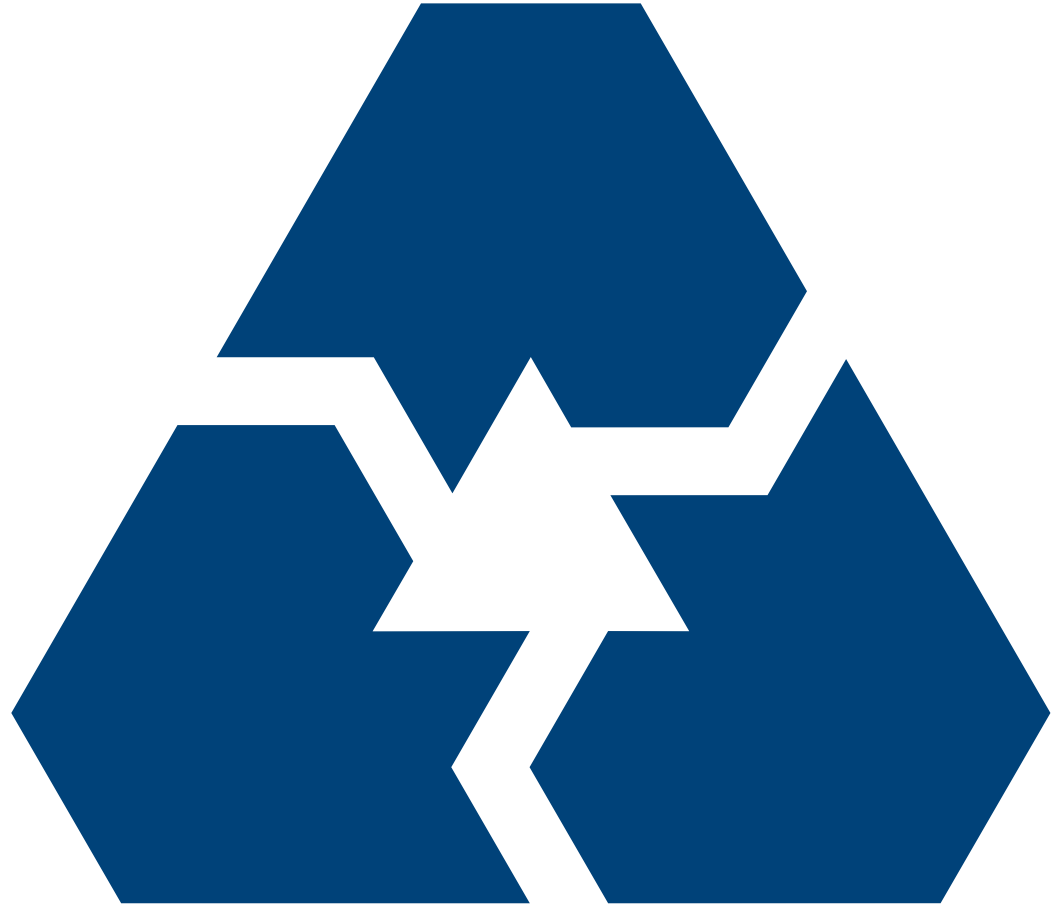
#### QUALITY TESTED

SP Energy efficiency certificate.  
(SP Technical Research Institute of Sweden)

SP statement regarding lack of hazardous chemicals  
or toxins.  
(SP Technical Research Institute of Sweden)

#### FLAME RETARDANT

SP Flame retardation certificate: EN 13501-1  
(SP Technical Research Institute of Sweden)



## FLEXIBLE & EASILY APPLIED

Acustica is durable, stable and elastic. It can be formed to purposed and requested appearance. Acustica fills and prevents cracks and ruptures in walls and ceilings. The product is dust repellent and prevents discoloration.

Acustica can be applied on treated and untreated surfaces, regardless of material: inside walls, ceilings or inner panels. The material can be ordered in a wide range of colors and formed to requested specification and aesthetics. It is fast, easy and efficient to install and apply. It also weighs less than traditional materials.

## THERMAL CONDUCTIVITY

Acustica decreases thermal losses and saves energy. The materials thermal conductivity:

Acustica Putty: 0,062-0,073  $\lambda$ ,  
2-3 mm without texture.

Compared to:

Air	0,026 $\lambda$
Mineral Wool	0,031 $\lambda$
Wool	0,05 $\lambda$
Concrete	1,7 $\lambda$



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## MATERIAL SPECIFICATIONS

Acustica Putty: A direct applicable sound absorption putty.

### Thermal Conductivity

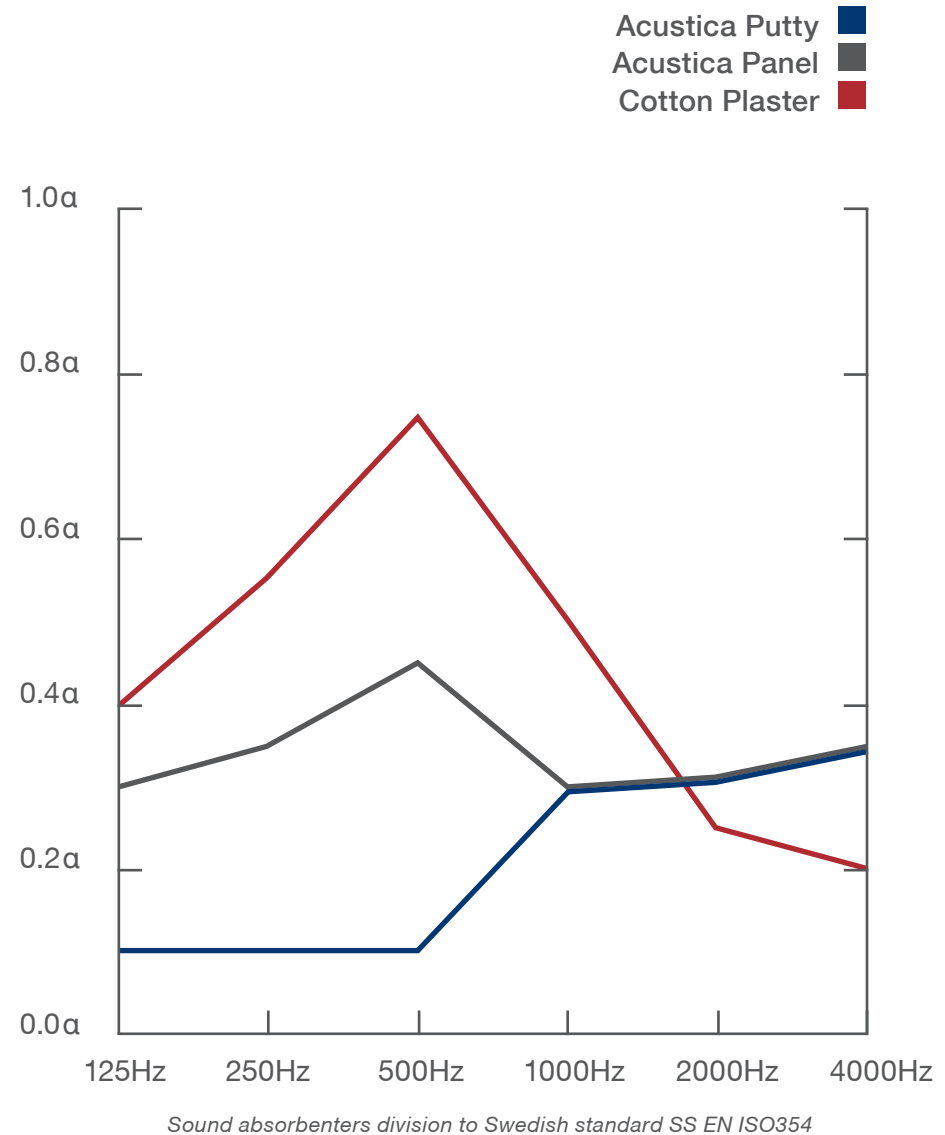
Acustica Putty 0,062-0,073  $\lambda$ , 2-3 mm without structure.

Sound absorption up to 24 dB with 2-3 mm application, average 17- 5000hz.

Soundabsorbers: 125Hz 250Hz 500Hz 1000Hz  
2000Hz 4000Hz

- The Material is flameretardant, heat resilient and dust free.
- Moist-, mold-, insect- and pestresistant.
- The adhesive's components are unique and naturally preserving with anti-septic properties.
- Weight: 110-190 kg/m<sup>3</sup>.
- 10 year warranty.
- The material has a life expectancy of more than 20 years when considering sturdiness, function, color and form.

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BIOISOLATOR AB

Info@bioisolator.com

+46 (0)8 256060

Hornsgatan 124

SE-11728 Stockholm



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