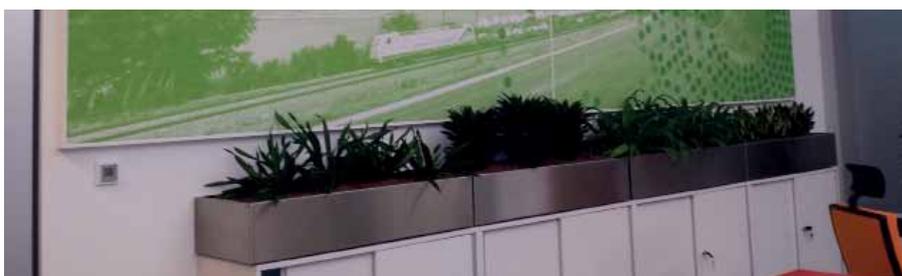
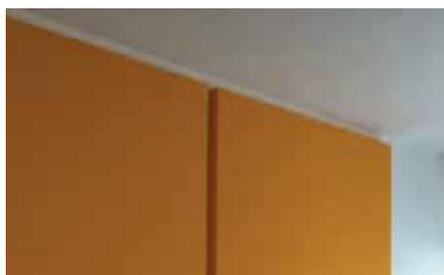


DESIGN OPTIONS WITH ACOUSTIC FOAM

MIKROPOR® AS
MIKROPOR® AS VE
MIKROPOR® AS PRINT



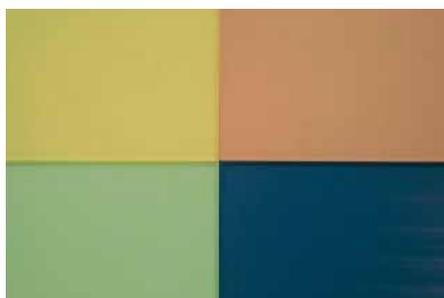
DESIGN OPTIONS WITH ACOUSTIC FOAM

MIKROPOR® AS
MIKROPOR® AS VE



MIKROPOR® AS Natur

MIKROPOR® AS VE



Example special color

Advantages:

- Affixes directly to the ceiling or wall with adhesive
- No substructure required
- Installs quickly and cleanly, including in occupied properties
- Retrospective improvements to the acoustics possible, without dirt and noise from machinery
- Also suitable for low installation heights
- Design freedom thanks to free-form design and colour schemes
- Economic solution thanks to low installation costs
- Also available as an acoustical cloud

TECNICAL DATA

Product description:

The wide variety of available formats, finished to customized free-forms and 3D bodies, different thicknesses and surfaces, means it is possible to individually design acoustic concepts and adapt the product to fulfil specific requirements. It goes without saying that in addition to ceiling systems, acoustic partial areas and ceiling cloud solutions, we also offer wall absorbers.

This product achieves impressive results, in particular, when making improvements to the acoustic environment; thanks to its low weight of just 600 g/m² (40 mm thickness) it can be affixed retrospectively to practically all existing wall and ceiling systems.

The almost unbelievable sound absorption value makes this product an ideal building material to optimize the acoustics in a room.

This product is ideally suited to optimize the acoustic environment, in particular, in rented properties. Acoustical clouds and wall absorber elements that can be hung up as simply as a picture can be easily taken with you when moving to a different premise or relocated when converting a space.

Material:

Open cell foam made from melamine resin (Basotect®).

Surfaces:

MIKROPOR® AS an open cell foam to form a natural surface, with coloured surface coating on request; also available in special colours as per sample.

NOTE:

Different sized pores (cavities) can be created during production of this foam. The thinner the material is cut, the more clearly visible

these cavities will be. This does not impair the function of the material. Nor can it be accepted as retrospective grounds for complaint.

The number of cavities is within the following tolerances:

- Size up to 5 mm no limit
- Size 5–15 mm up to max. 10 x per/sqm
- Size 15–25 mm up to max. 1 x per/sqm.

Our tolerances for finished parts are:

- up to 250 mm +/- 3 mm
- over 250 mm up to 1,000 mm +/- 5 mm
- over 1,000 mm up to 2,000 mm +/- 10 mm

MIKROPOR® AS VE

Acoustic fleece with matt, smooth and non-directional surface. The raw material is covered with fleece; in other words, there are no cavities visible. Coloured surface coating available if desired. Also available in special colours as per sample.

Edge configuration:**MIKROPOR® AS**

All sides chamfered or cut straight/coated in the same colour tone as the surface.

MIKROPOR® AS VE

All sides chamfered or cut straight.

All sides covered with edge tape/coated in same colour tone as the surface.

Panel thickness:

Standard approx. 40 mm
Custom thickness on request.

Dimensions:

MIKROPOR® AS
1,250 x 625 mm, 625 x 625 mm, further dimensions and customize free-forms possible on request.

MIKROPOR® AS VE

2,400 x 1,200 mm, 1,200 x 1,200 mm
approx. 2,450 x 1,250 mm
Other dimensions possible on request.

Building material class:

MIKROPOR® AS

B1 (flame resistant)

MIKROPOR® AS VE

Core panel B1 (flame resistant) with fleece finish.

Weight per unit area:

Approx. 600 g/m² (for 40 mm panel thickness)

Care/refurbishing:

It is possible to clean localized soiling using a damp synthetic sponge or brush. Vacuum clean with vacuum cleaner and brush attachment. Refurbishable by spraying with Wilhelmi acoustic paint (WAF-R), without any loss of sound absorption properties.

Sound absorption:

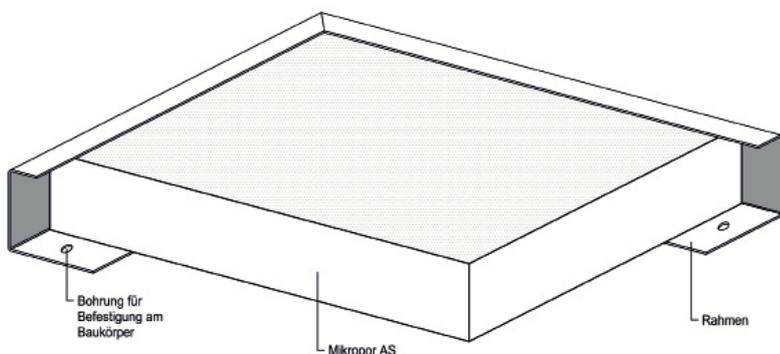
The open pore surface of MIKROPOR® AS melamine resin foam (Basotect®) guarantees sound waves are not reflected as reverberation, but are able to penetrate into the cell structure without hindrance. The sound energy is reduced inside the cell structure. Consequently, MIKROPOR® AS melamine resin foam (Basotect®) has an excellent sound absorption capacity.

In environments with deep frequencies it is possible, for example, to achieve acoustic improvements with additional heavy layers.

DESIGN OPTIONS WITH ACOUSTIC FOAM

MIKROPOR® AS Print





Framework view

Advantages:

- Noise reduction and wall decoration in one
- Very good sound absorption capacity
- Easily installed – including in rooms already in use
- Low weight

TECNICAL DATA

Product description:

Mikropor® AS Print is a sound absorbing acoustic image, which can either be affixed to the wall using adhesive or by means of a frame. The core of the acoustic image (absorber) consists of an open cell melamine resin foam (Basotect®) with a decorative fabric made from class B1 polyester (flame resistant).

The surface is printed using an environmental-friendly direct sublimation method of printing.

The sides of the absorber are not printed and not covered with decorative fabric. Mikropor AS Print both decorates and optimizes the acoustics in a room at one time because it reduces the reverberation time. It is possible to enhance the frame profiles appropriately by means of a powder coating, kept as neutral as possible, to blend in with the image and surroundings.

Material:

Open cell foam made from melamine resin (Basotect®).

Surface:

MIKROPOR® AS PRINT

Decorative fabric finish in B1 (flame resistant). The surface is printed by an ecological sublimation print method.

Motifs:

- Individual, desired motifs (e.g., company or club logos, advertising images, portraits, holiday snaps etc.)
- Monochrome prints

Edge configuration:

All sides covered with frame profile. The frame profiles can be coated so they look neutral to the picture and the surrounding.

Panel thickness:

Standard approx. 40 mm
Custom thickness on request.

Dimensions:

Maximum: 2,480 x 1,250 mm
Further dimensions and customize free-forms possible on request.

Building material class:

base panel B1 (flame resistant) with decorative fabric finish.

Weight per unit area:

Approx. 600 gr/m² (for 40 mm panel thickness).

Care/refurbishing:

It is possible to clean localized soiling using a damp synthetic sponge or brush. Vacuum clean with vacuum cleaner and brush attachment.

Sound absorption:

The open pore surface of MIKROPOR® AS melamine resin foam (Basotect®) guarantees sound waves are not reflected as reverberation, but are able to penetrate into the cell structure without hindrance. The sound energy is reduced inside the cell structure. Consequently, MIKROPOR® AS melamine resin foam (Basotect®) has an excellent sound absorption capacity. In environments with deep frequencies it is possible, for example, to achieve acoustic improvements with additional heavy layers.

INFOBOX:

On www.lahnau-akustik.de/en
-> Products
-> MIKROPOR® AS Print
you can find more information to these products.

You can find the detailed documents of our products in our download archive.

DESIGN OPTIONS WITH ACOUSTIC FOAM



INFORMATION BOX:

Acoustic partial areas – SOLITÄR® CANOPY AS VE

The partial area consists of a broadband absorber based on melamine resin.

The visible and rear sides as well as all edges are coated with a uniform acoustic fleece.

More information in chapter "Acoustic partial areas"

links:

SOLITÄR® CANOPY AS VE in standard white and special colour with wire hangers.



INFORMATION BOX:

Mikropor® AS VE Lamelle

The acoustic baffle consists of a broadband absorber based on melamine resin. The visible and rear sides as well as all edges are coated with a uniform acoustic fleece. A C-channel is provided on the top side of the baffle to attach the hanger.

More information in chapter
> Acoustic made of glass
> Acoustical systems for buildings with a thermally activated concrete core

links:

Mikropor® AS VE Lamelle