

MOOD ACOUSTIC ELEMENTS

Sound damping panels



SOUND DAMPING PANELS

Mood Acoustic elements are always custom-made and can be used to create large seamless sound absorbing surfaces.

When installed in an assembled aluminium frame, a textile is stretched over the frame and sound-absorbing acoustic panels are installed behind it. The sound absorbing classification of the surface is determined by the acoustic panels used as infill.

The easily changeable textile surface can be printed with a freely chosen motif image, or some of the felt-like fabrics from the prefabricated collections can be used, e.g. Soul, Luna2 and Hush / Gabriel A/S), or Blazer, Blazer Lite and Synergy / Camira Fabrics.

The base colour of the frame is anodised aluminium. The frames can be painted in the colours of the RAL colour chart.

IMAGE THEMES

The image themes to be printed on the textile surface of the elements can be designed by Mood's design service for the object, acquired from public image galleries, or the customer's own.

The materials can be photographs, cartoon graphics or, for example, logo materials. It is also possible to create monochrome surfaces according to specified shades, e.g. Pantone, NCS or RAL





TECHNICAL REQUIREMENTS FOR IMAGE FILES

FILES

- Recommended file formats: PDF, TIFF, JPG, EPS, PSD, Ai
- logos should be submitted in vector format
- fonts as converted or as a separate file

FILE SIZES

- size is given as width x height
- bleed in the file 15 mm for each edge, i.e. 30 mm more for width and height. bleed 15 mm to each edge in the file, i.e. 30 mm more in width and height
- files in size 1:1, or large sizes 1:2, 1:4, 1:10 etc. Keep file sizes below 1GB to ensure smooth file transfer.
- The following guidelines can be used to specify the resolution:
 - viewing distance 0-2m: min 120 dip (1:1) / min 1200 dpi (1:10)
 - viewing distance 2-5m: min 75 dpi (1:1) / min 750 dpi (1:10)
 - viewing distance over 5 m: min 50 dpi (1:1) / min 500 dpi (1:10)

COLOURS

- colour definition: CMYK
- printer profile: ISO Coated V2 (ECI)
- for further definition of colours, specifications are given either according to Pantone C or U system codes (indicate which, C or U) or in CMYK format
- colour matching according to the colour schemes supplied to the factory (e.g. upholstery fabrics for furniture)

SIZES

The Mood Acoustic custom-made elements can be wall-mounted, ceiling-mounted or used to build double-sided partition walls and screens.

When designing the size of the elements, it is preferable, where possible, to optimise the size in relation to the size of the acoustic panels to be infilled, especially in longer series. The optimal sizes of wall-mounted elements with Ecophon Modus TAL infill are:

- | | |
|------------------|------------------|
| • 1280 X 680 mm | • 1860 X 1280 mm |
| • 1875 X 680 mm | • 2470 X 1565 mm |
| • 2470 X 680 mm | • 1875 X 1860 mm |
| • 1280 X 975 mm | • 2470 X 1860 mm |
| • 2470 X 975 mm | • 3065 X 1860 mm |
| • 1280 X 1270 mm | • 3660 X 1860 mm |
| • 2470 X 1270 mm | • 4255 X 1860 mm |
| • 1565 X 1280 mm | • 3660 X 2155 mm |

Sizes larger than these on request. The largest uniform size is about 15 × 2.9 m.

TECHNICAL INFORMATION

The elements are mainly infilled with Ecophon Modus acoustic panels. The damping, or absorption classification is determined by the selected frame and infill thickness between C – A (EN ISO 11654).

CARE

Wipe the frame with a damp cloth.

Lightly wipe the textile surface with a microfiber cloth, if necessary a leather wipe (avoid of water stains). Vacuuming with a soft nozzle.

The textile surface can also be removed for airing.

COMPONENT	MATERIAL	FIRE CLASSIFICATION	WEIGHT	OTHER
Frame	Aluminium	–	1,2 kg/m (DS 60 mm)	–
Textile*	AcuTex, 100% pe	B-s1, d0 / DIN EN 13501-1	n. 220 g / m2	Oeko-Tex Standard 100
Infill	Ecophon glass wool	Incombustible / EN ISO 1182	0,9 (30mm) - 1,5 (60 mm) kg / m2	Indoor climate classification M1

FRAME / MM	INFILL / MM	ABS. CLASSIFICATION / EN ISO 11654	ABSORPTION COEFFICIENT EN ISO 354
39	30	C	0.65
60	50	A	1.00

Frame / mm = depth of the frame profile
Infill = Ecophon Modus TAL. The product contains at least 63% recycled material (Country of manufacture is Finland).
Abs. rating = when the boards are mounted to the background
Other acoustic infill materials are also possible, e.g. Ewona or Bastotect.

* The printing method is a sublimation technique. The sound permeability of AcuTex textiles has been tested by the Finnish Institute of Occupational Health, Turku office. Test results are available in pdf format.

INSTALLATION

The aluminium frame is delivered in parts, packed as a long package. The textile surface and acoustic panels come in separate packages.

The delivery includes a tool and accessories for assembling the frame, as well as the screws and plugs needed for wall mounting.

PRICES AND DELIVERY DETAILS

The prices of Mood Acoustic elements are based on the size and quantity to be applied.

Price enquiries: info@mood.fi

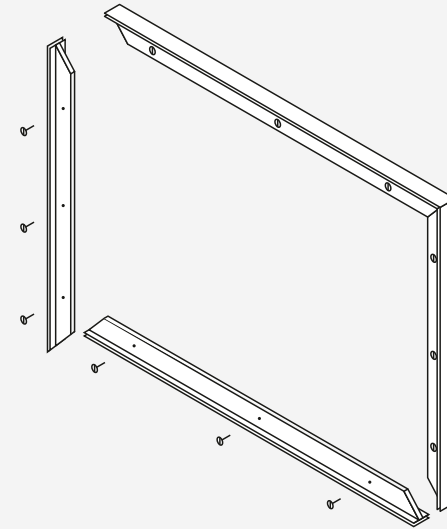
Delivery time approx. 4 - 6 weeks + shipping

RECYCLING

The product is very adaptable. The panel can be resized to suit a new installation and the textile surface can be easily replaced if the image surface or colour changes are desired. However, if the use of the product ends, it can be recycled by material as follows:

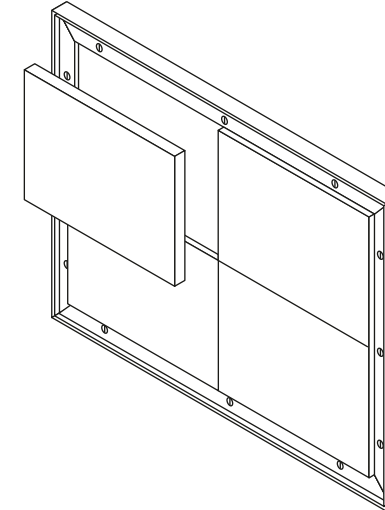
Aluminium frame for metal collection.
Textile surface as combustible mixed waste.
Ecophon infill panels for insulation wool collection.

1.



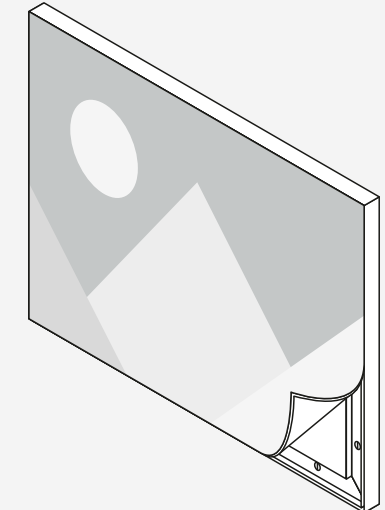
The frame can be pre-assembled on the floor and mounted on the wall. The large elements are mounted on the wall one frame at a time. The frame is fixed to the wall at several points with screws through the frame. The frame has ready holes for screws. The straightness and average height of the frame should be checked when the frame is in place on the wall. The frame should be straight and not sagging in the middle for the textile to stretch properly.

2.



The frame is filled with acoustic panels starting from the second lower corner. The panels are typically stacked horizontally. If necessary, the panels can be cut with a sharp cutting knife. In the case of large panels, the middle panels are fixed to the wall, e.g. with adhesive.

3.



The textile surface is tightened to the frame by inserting the silicone strip on the edge of the textile into the groove on the edge of the aluminium profile. The installation is started by attaching the corners first and then all the sides. In the corners, the silicone should be pushed up to the corner to make the corner as neat as possible. When correctly installed, the silicone tape is not visible, but wraps under the textile. The textile part may feel very tight when installed. However, it is measured precisely to the right size so that it fits snugly and does not leave any pulls on the surface.

DESIGNER'S / CLIENT'S STEPS

- ✎ Define the sizes and the quantities of the elements. If possible, prefer the dimensions of the optimal sizes.
- 📁 Choose the image themes to be printed on the surfaces or the textile to be used on the surface from the ready-made designs (check with Mood that the ready-made fabric you choose is suitable for the concept). Mood will be happy to help you find or design suitable photo themes.
- 📏 It is a good idea to take precise measurements at the site before starting production. At the same time, it is also ensured that there are no sockets or switches in the planned installation location. It is also a good idea to check with the customer that the screw fixings required for the installation can be made.



WE WILL BE HAPPY TO TELL YOU MORE ABOUT THE PRODUCT. LET'S WORK TOGETHER TO DESIGN A SOLUTION THAT'S RIGHT FOR YOU!

Mood Works Oy Ltd
Lauttasaarentie 56 LT9
FI-00200 Helsinki

Tel. +358 10 292 0670
Email info@mood.fi
mood.fi