



Mobile room acoustics –
for custom usage

OWA



Leave an impression!

Art

Art wall absorbers are broad band absorbers with average absorption values onto which you can print anything you want.



Dimensions	1200 x 800 mm 1500 x 1000 mm
Thickness	30 mm
Front	Fabric, printed
Back cover	Fleece, black
Absorption	$\alpha_w = 0.65 / \text{NRC} = 0.70$
Absorption characteristic	Broad band

Create your own individual acoustic picture

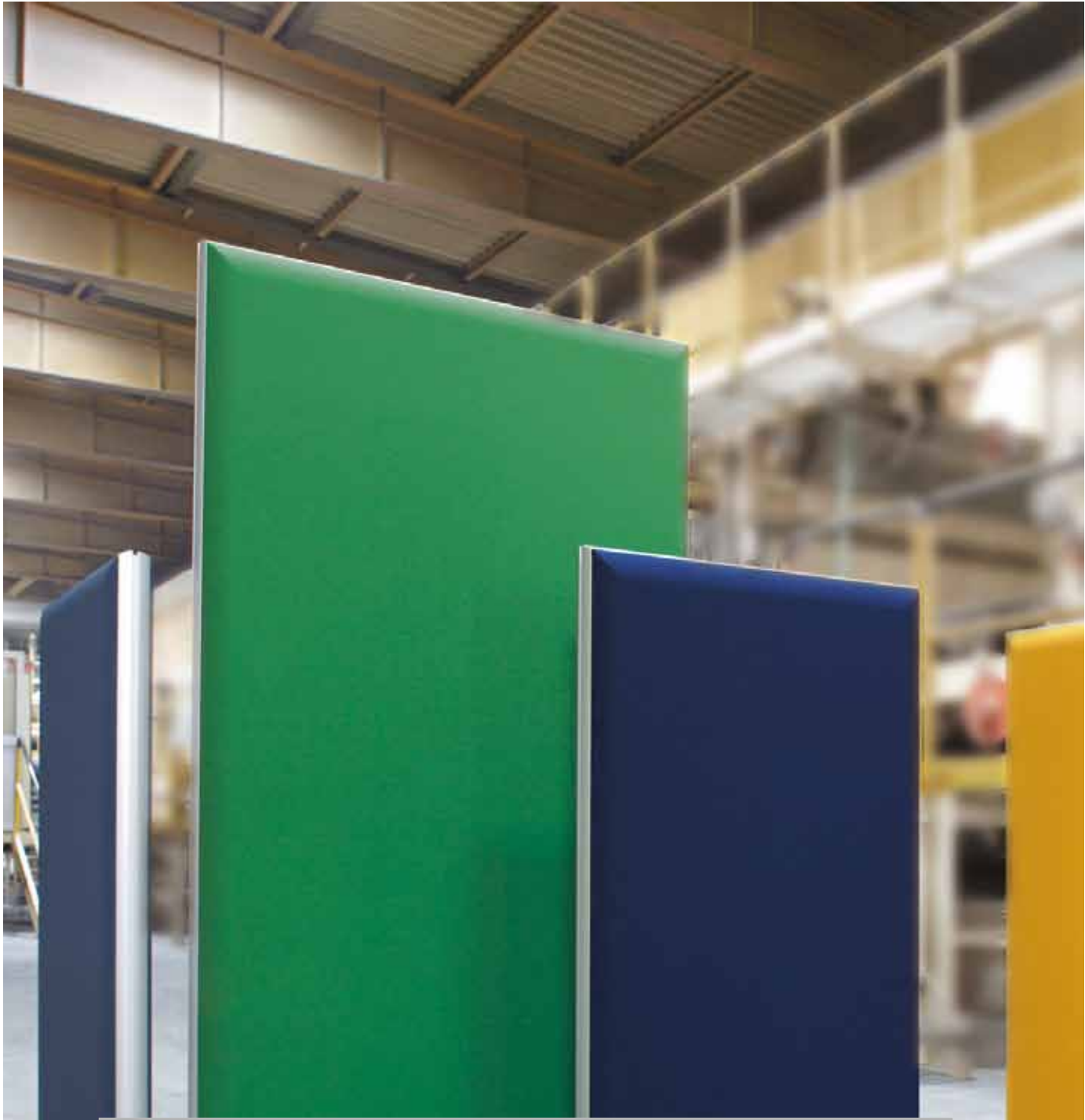
Performance art - providing the medium to convey a message and the improved acoustics to hear it. OWAcoustic® Art, a wall mounted sound absorber, can be used to improve the acoustic and visual environment in classrooms, foyers, restaurants, and offices; from a corporate logo in the boardroom to messages on the classroom wall.

Many public areas, such as restaurants and cafés, need additional sound absorption to improve the comfort and ambience of the area. Using OWAcoustic® Art wall absorbers provides effective and inexpensive sound absorption, as well as the opportunity to introduce decorative “works of art”.

Improved room acoustics simply mounted on the wall

With a thickness of only 30 mm, the frameless absorbers are lightweight, easy to install and come with an installation kit.





Changing acoustic requirements demand flexible solutions

Free space

Create your own acoustic profile, wherever and whenever required, with OWAcooustic® Free space absorbers. Free space upright units can be easily moved and placed wherever needed. They are ideal to separate meeting areas in offices, work spaces in call centers, and complement not only acoustics but also aesthetics in large open spaces and entry halls.

**Dimensions**

Free space 1: 1312 x 687 mm
 Free space 2: 1832 x 687 mm
 Free space 3: 1832 x 947 mm

Thickness

80 mm

Surface cover

Fabric on both sides

Colours

Red, blue-grey, light grey, yellow, green, dark blue

Absorption

$\alpha_w = 0.95 / \text{NRC} = 0.90$

Absorption characteristic

Broad band

Fabric material class

B1 according to DIN 4102

Wear-resistant material

90.000 martindale abrasion cycles

Care instructions

Washable to 60° C, iron cold, do not dry in tumble drier, no chemical cleaning

Create conversation areas - acoustically and visually

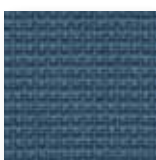
OWAcoustic® Free space absorbers are covered with fabric on both sides and feature a slim aluminium frame. The fabric is available in six colours giving the partitioned conversation area a distinctive look. Of course, the front and back of the absorber can be covered in two different colours.

Acoustic tools, right where you need them

The free standing units have excellent absorption characteristics. The frame profile has a continuous groove around its perimeter. This allows the unit to be placed either upright or sideways on the stand.



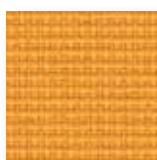
Red



Blue grey



Light grey



Yellow



Green



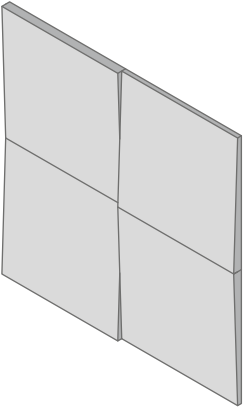
Dark blue

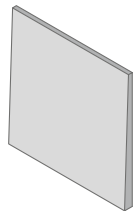
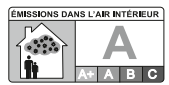


Limitless freedom for your own style

FreeStyle wall absorber

Numerous combination possibilities – good acoustics: With FreeStyle wall absorbers from OWA, it is possible to create individual, unique interior landscapes. In different sizes and shapes, they can transform any wall in the room into a 3D surface and that way literally create a “moving” room experience! The carefully colourcoordinated and geometrically-matched elements of the FreeStyle collection signify this high degree of individual design freedom. A special feature of the FreeStyle series is its good absorption capability. Noise and sounds are swallowed with an absorption level of up to 90 %. Good design comes together with effective control of reverberation, especially important in potentially noisy areas such as in restaurants and open-plan offices in order to realise good speech intelligibility.

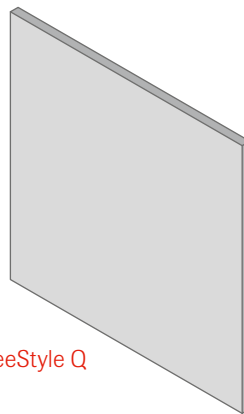
	Dimensions	FreeStyle QS: 600 x 600 x 40/20 mm FreeStyle R: 1200 x 600 x 40 mm FreeStyle Q: 1200 x 1200 x 40 mm FreeStyle TL: 1200 x 400/200 x 40/20 mm FreeStyle TR: 1200 x 400/200 x 40/20 mm
	Thickness	40/20 mm
	Visible side	Coloured fabric
	Edge	Coloured fabric
	Edge detail	Straight edges, all the way round
	Colours	See coloured fabrics
	Absorption	$\alpha_w = 0.90 / \text{NRC} = 0.85$



FreeStyle QS



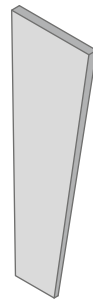
FreeStyle R



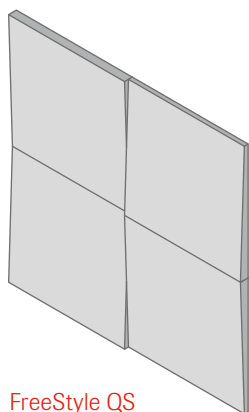
FreeStyle Q



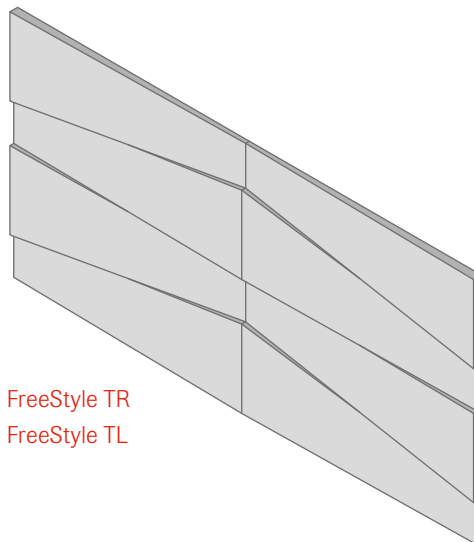
FreeStyle TR



FreeStyle TL



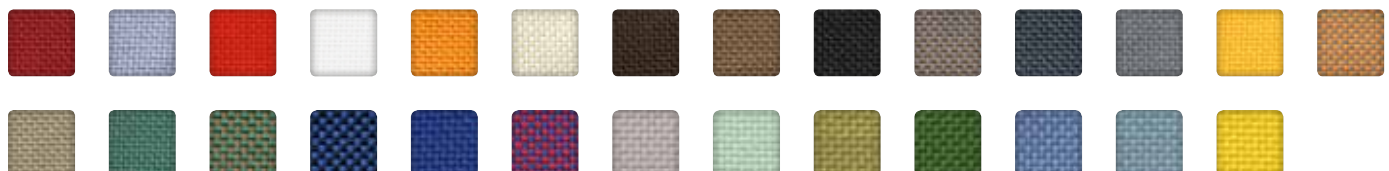
FreeStyle QS

FreeStyle TR
FreeStyle TL

Wall claw small



Wall claw big





Acoustic elements that are picture perfect

Wallboard

Good acoustic conditions are important for a high quality of life. They help create an agreeable work environment and improve communication. This is true for all kinds of spaces - including private residences. If living or working areas are not equipped with sufficient sound absorbing surfaces, communication becomes taxing. OWA offers a solution for just that situation: OWAacoustic® premium Wallboards with broad band or low frequency absorption are acoustic elements that can be customized according to the room's requirements. This product complements our acoustic ceiling product range and allows for acoustic adjustments on the horizontal surface.

**Dimensions**

Wallboard 1: 1274 x 649 mm | Wallboard 2: 1794 x 649 mm
Wallboard 3: 1794 x 909 mm

Thickness

Approx. 90 mm

Aluminium frame

Anodised, E6/EV1

Detail

- distinctive finished framework
- frame corners mitred
- pre-drilled for easy wall mounting

Front face options

- perforated aluminium panels with square or round holes and acoustic fleece backing
- un-perforated aluminium panels
- OWAacoustic® premium mineral tiles fleece-covered white, e.g. Creaprinted surface

Back surface

HDF panel

Absorption characteristic

Broad band and low frequency absorbers

Optimum acoustics:

Solutions for all frequencies

The particular acoustic situation in an area must first be defined by an 'in depth' investigation of the frequency dependent reverberation times. On this basis we will propose solutions to solve the problem. **Depending on the situation, we will propose utilization of either all-frequency absorbing units or absorbers specifically for low frequencies.**

The use of broad band or low frequency absorbers depend on the space utilization. Our department OWAconsult® will be happy to assist you with finding the absorber that is right for your specific situation.

Why use the walls - are acoustic ceilings not good enough? Yes, they usually are, but even in the many cases where areas are equipped solely with an OWAacoustic® premium ceiling, the clear acoustic improvement will be in the vertical area of activity – no surface is better suited for soundabsorbing measures than a flat ceiling. However, with the additional use of individual absorption surfaces on the wall areas benefits are also gained in the horizontal acoustic field – an important contribution to acoustic optimisation.

Optimisation in the horizontal acoustic field

A good example of beneficial use is in buildings with plastered concrete slab soffits with integrated cooling and heat management systems. In such situations acoustic ceilings cannot be installed full flat but it is a simple task to install wall absorbers.

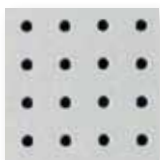
Acoustic and aesthetic

These elegant acoustic units provide many interesting design options due to the different available surfaces:

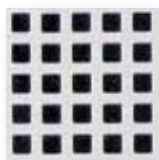
- perforated aluminium panels with square or round holes and acoustic fleece backing
- OWAacoustic® premium mineral tiles with decorative acoustic fleece facings e.g. Creaprinted surface
- wood-effect
- un-perforated aluminium panels

Installation: always on the wall

Wall installation is as easy as hanging a picture. Elements can be mounted vertically or horizontally.



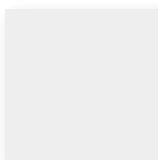
Aluminium RH
anodised



Aluminium SH
anodised



Aluminium
anodised

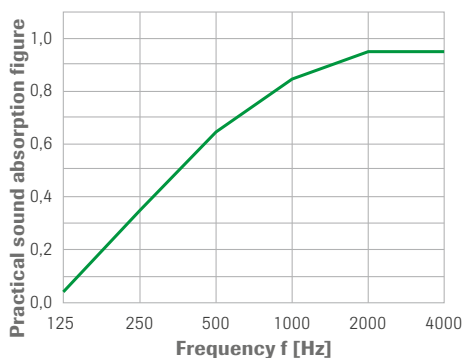


Acoustic fleece
white



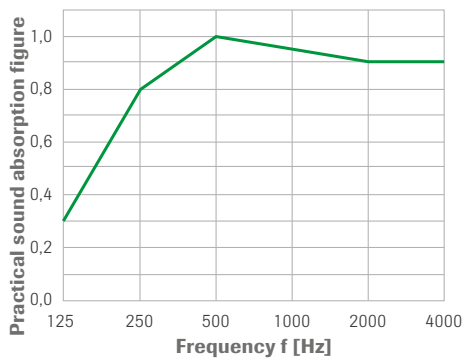
Acoustic fleece
Creaprint

Art



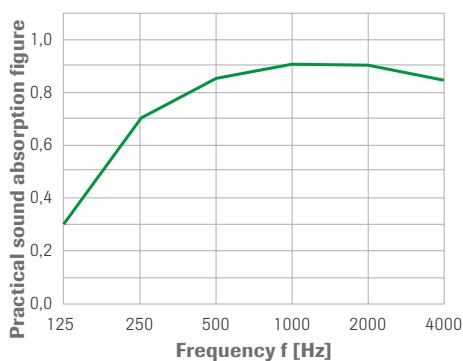
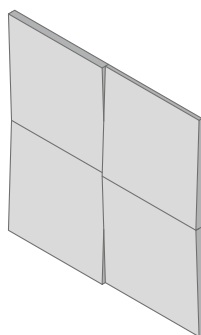
Frequency F	α_p
125 Hz	0.05
250 Hz	0.35
500 Hz	0.65
1000 Hz	0.85
2000 Hz	0.95
4000 Hz	0.95
α_w	0.65
NRC	0.70

Free space



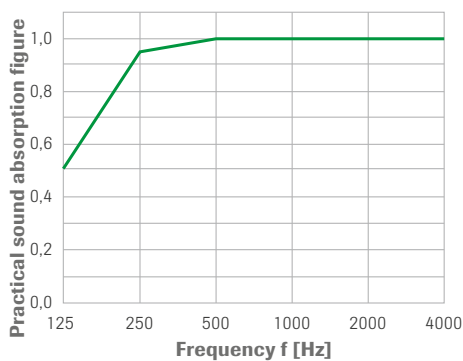
Frequency F	α_p
125 Hz	0.30
250 Hz	0.80
500 Hz	1.00
1000 Hz	0.95
2000 Hz	0.90
4000 Hz	0.90
α_w	0.95
NRC	0.90

FreeStyle wall absorber



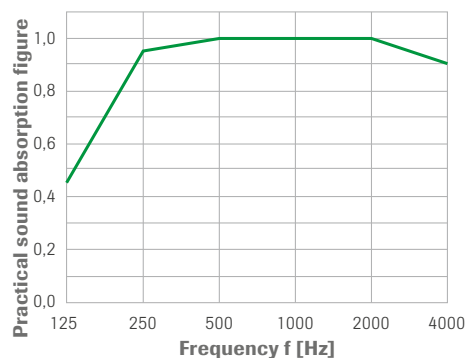
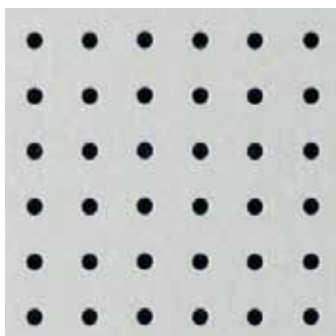
Frequency F	α_p
125 Hz	0.30
250 Hz	0.70
500 Hz	0.85
1000 Hz	0.90
2000 Hz	0.90
4000 Hz	0.85
α_w	0.90
NRC	0.85

Wallboard OWAcooustic® premium tile with acoustic fleece and Creaprint surface



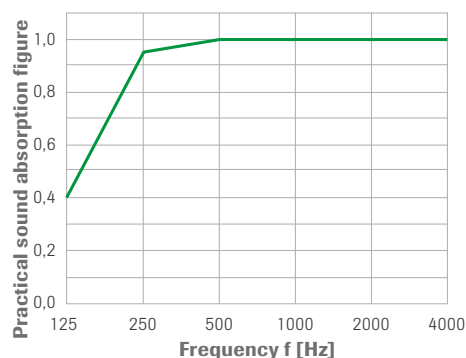
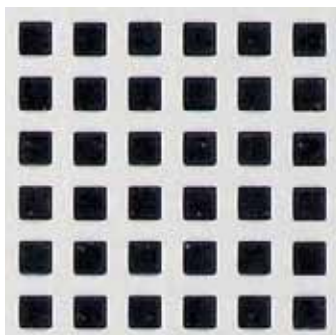
Frequency F	α_p
125 Hz	0.50
250 Hz	0.95
500 Hz	1.00
1000 Hz	1.00
2000 Hz	1.00
4000 Hz	1.00
α_w	1.00
NRC	1.00

Wallboard aluminium panel with round holes RH 2.5/8.0 – 7.6 % open area



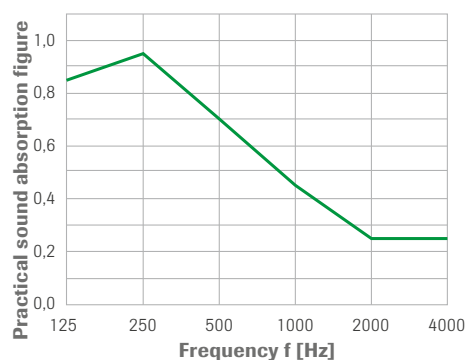
Frequency F	α_p
125 Hz	0.45
250 Hz	0.95
500 Hz	1.00
100 Hz	1.00
2000 Hz	1.00
4000 Hz	0.90
α_w	1.00
NRC	1.00

Wallboard aluminium panel with square holes SH 5/8 – 39.1 % open area



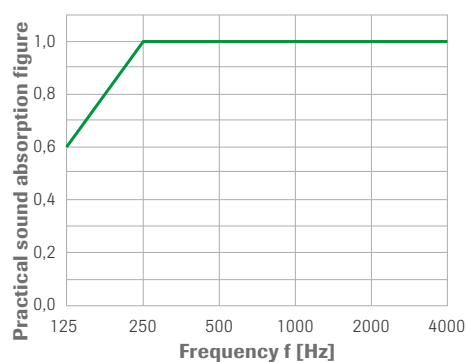
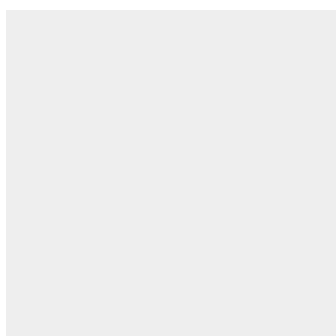
Frequency F	α_p
125 Hz	0.40
250 Hz	0.95
500 Hz	1.00
100 Hz	1.00
2000 Hz	1.00
4000 Hz	1.00
α_w	1.00
NRC	1.00

Wallboard non perforated aluminium panel – d = 1.5 mm



Frequency F	α_p
125 Hz	0.85
250 Hz	0.95
500 Hz	0.70
100 Hz	0.45
2000 Hz	0.25
4000 Hz	0.25
α_w	0.35 (LM)
NRC	0.60

Wallboard acoustic fleece white



Frequency F	α_p
125 Hz	0.60
250 Hz	1.00
500 Hz	1.00
100 Hz	1.00
2000 Hz	1.00
4000 Hz	1.00
α_w	1.00
NRC	1.00



OWA

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