

ECO PET

the RAM

Room Acoustic Modifiers





EcoPET the RAM

architected sound

EcoPET the Overlay



absorption



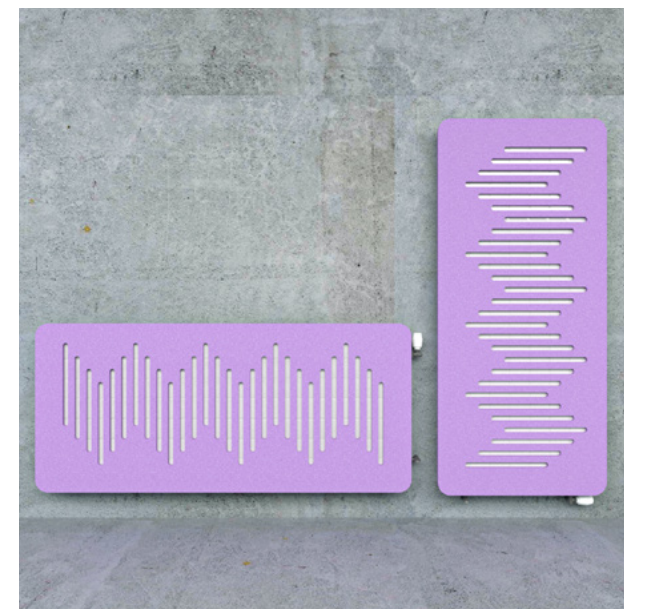
mid tones



high tones

EcoPET the Overlay is an acoustic radiator cover which, with minimal limitation of the warm air flow, ensures high sound absorption. It is made of EcoPET and EcoFELT, non-dusting, recycled and 100% environmentally friendly materials. Thanks to the Overlay, each radiator becomes an essential element of interior design, perfectly reducing noise in the room.

A standard radiator cover restricts the flow of warm air. EcoPET the Overlay will become a unique decoration with as little limitation of the heating function as possible.





EcoPET the Underlay


absorption


mid tones


high tones

EcoPET the Underlay is a specially designed under-furniture acoustic system that uses passive furniture surfaces to introduce materials with a very high efficiency of sound absorption. The Underlay will be perfect when mounted under a desk or chair, being hardly noticeable and not interfering with the design of the room. Its invaluable sound-absorbing properties ensure acoustic comfort, at work in particular.

Use every inch of the space in your office! Thanks to EcoPET the Underlay, you will increase the acoustic absorption of the interior with the least interference in the room design.



EcoPET the Skin



absorption



low tones



mid tones

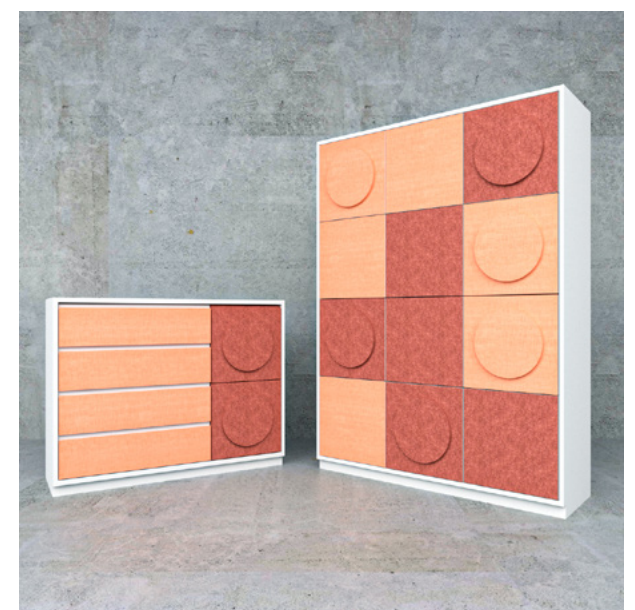


high tones

EcoPET the Skin will transform your furniture into acoustic systems with a very high efficiency of sound absorption.

If you have a problem with noise in the room and you don't have any free space to use, the Skin is the perfect product for you. Durability, aesthetics and a guarantee of silence, closed in one personalized product.

Customize your wardrobe thanks to EcoPET the Skin! You can easily install sound-absorbing elements onto the existing furniture or replace the existing fronts with them.



EcoPET the RAM

architected sound



EcoPET the Screen



EcoPET the Screen is an acoustic panel with excellent sound-absorbing properties. Light, modular, with a small thickness and various mounting methods, it can be used in almost any interior as a free-standing or hanging element. Thanks to the Screen panels, you can decide for yourself what the interior of your room will look like.

Separate your own space with the EcoPET the Screen standing and hanging acoustic elements! Create your own corner for work or rest.





EcoPET the RAM

architected sound



EcoPET the RAM range
of products is a universal solution
for your acoustic problems.
Our systems will adapt to any interior!

architected sound

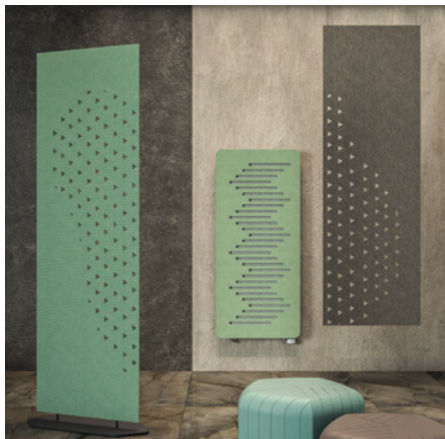
EcoPET the RAM



Acoustic systems from the RAM group (Room Acoustic Modifiers) can create a coherent arrangement of space, starting from desk elements, through covers for radiators, as well as suspended or free-standing partitions. Decide for yourself which solutions best suit your needs and design your own set of acoustic products!

Suspended elements are perfect for interiors, where it is difficult to find space for traditional acoustic panels. EcoPET the Screen increases the acoustic absorption of the room, while reducing reverberation noise.





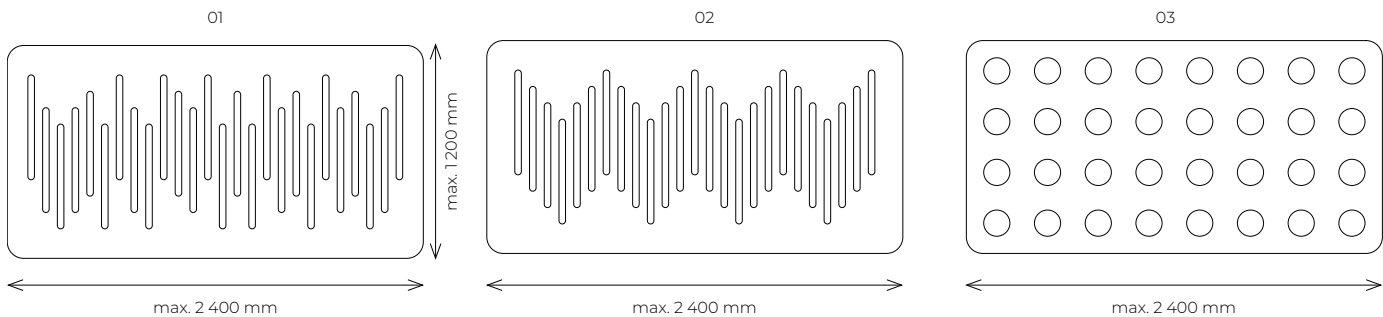
EcoPET the RAM



EcoPET the RAM (Room Acoustic Modifiers) is a group of sound-absorbing products that ensure perfect acoustic conditions in every room. Their advantage is the variety of mounting methods, also directly to furniture and other interior elements. Their invaluable sound-absorbing properties ensure acoustic comfort, at work in particular.

EcoPET the Overlay

exemplary pattern



Size
according to an individual design
(size max. 1 200 x 2 400 mm)

Thickness
9 - 27 mm

Material
Front: EcoPET, EcoFELT - pressed
PET polyester fibers.
Colour guide available on request.

Supporting structure: steel, HPL,
MDF

Designer
ZAEM Team

Country of production
Poland

Category
absorption

Description
EcoPET the Overlay is a sound-
absorbing radiator cover with
a very high efficiency of reducing
reverberation noise. Available
in many different designs, shapes
and colours.

Application
Standard and open-plan offices,
conference rooms, rooms in private
homes and public buildings, such as
schools, universities, libraries
and agencies.

Custom-made
Depending on the design concept,
different sizes, colours (single-color
with EcoPET material, two-color
or multi-color with EcoFELT material)
and shapes are available.

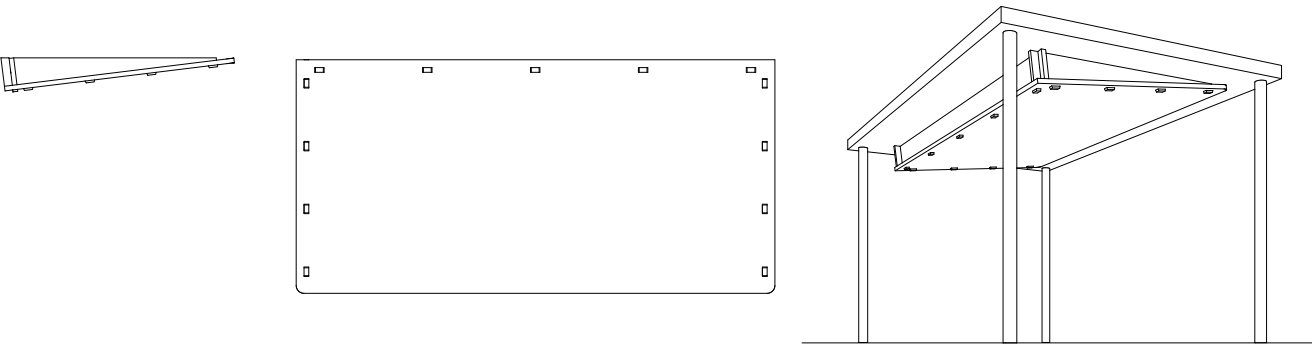
Fire safety
Possibility of making out of materials
with fire resistance class B-s2, d0.

Additional information
This and the following product was
designed as part of the research and
development project "Development
of Integrated Acoustic Modifying
Components Technology" (IAMC),
co-financed by the European Union
under the European Regional
Development Fund. Agreement
number: POIR.01.01.01-00-0965 / 18-00



EcoPET the Underlay

layout drawing of EcoPET the Underlay



Size
according to an individual design
(size max. 1,200 x 2,400 mm)

Material
EcoPET, EcoFELT - pressed PET
polyester fibers, polyurethane foam.
Colour guide available on request.

Designer
ZAEM Team

Country of production
Poland

Category
absorption

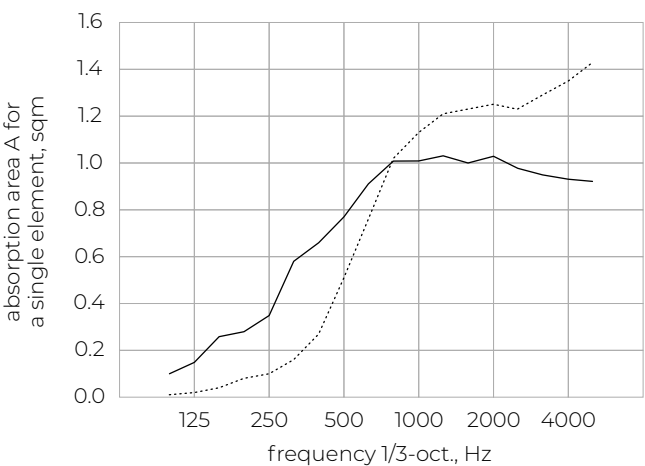
Description
EcoPET the Underlay is a sub-
furniture acoustic system that uses
passive and unused surfaces
of furniture to introduce materials
with a very high efficiency
of sound absorption. The shape
of the Underlay elements has been
designed in such a way that their
use does not affect the ergonomics
of using the furniture.

Application
Standard and open-plan offices,
conference rooms, rooms in public
buildings, such as schools, universities,
libraries and agencies.

Custom-made
Depending on the design concept,
different sizes, colours (single-color with
EcoPET material, two-color or multi-
color with EcoFELT material) and shapes
are available.

Fire safety
Possibility of making out of materials
with fire resistance class B-s2, d0.

Architected Sound EcoPET the Overlay oraz the Underlay – sound absorption



| frequency 1/1 oct. | — | |
|--------------------|------|-------|
| 125 Hz | 0.20 | 0.00 |
| 250 Hz | 0.40 | 0.10 |
| 500 Hz | 0.80 | 0.50 |
| 1000 Hz | 1.00 | 1.10 |
| 2000 Hz | 1.00 | 1.20 |
| 4000 Hz | 0.90 | 1.40 |

----- EcoPET the Overlay *
———— EcoPET the Underlay **

* values obtained by measurements conducted according to
PN-EN ISO 354: 2005 and ISO 20189: 2018



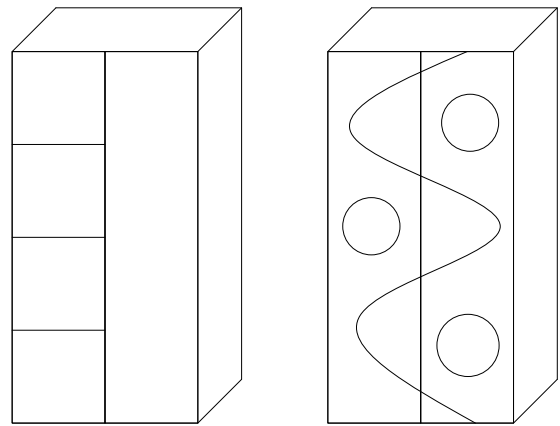
EcoPET the RAM



EcoPET the RAM (Room Acoustic Modifiers) is a group of sound-absorbing products that ensure perfect acoustic conditions in every room. Their advantage is the variety of mounting methods, also directly to furniture and other interior elements. Their invaluable sound-absorbing properties ensure acoustic comfort, at work in particular.

EcoPET the Skin

layout drawing of EcoPET the Skin



Size
according to an individual design
(size max. 1 200 x 2 400 mm)

Thickness
14 - 24 mm

Area weight
2 700 - 4 600 g/sqm

Material
EcoPET, EcoFELT - pressed PET polyester fibers.
Colour guide available on request.

Designer
ZAEM Team

Country of production
Poland

Category
absorption

Description
EcoPET the Skin is an acoustic furniture front. By replacing the standard fronts made of sound-reflecting material, the Skin absorbs sound in the low, medium and high tones. This functionality provides extremely effective acoustic properties given a very small thickness.

Application
Standard and open-plan offices, conference rooms, rooms in private homes and public buildings, such as schools, universities, libraries and agencies.

Custom-made
Depending on the design concept, different sizes, colours (single-color with EcoPET material, two-color or multi-color with EcoFELT material) and shapes are available.

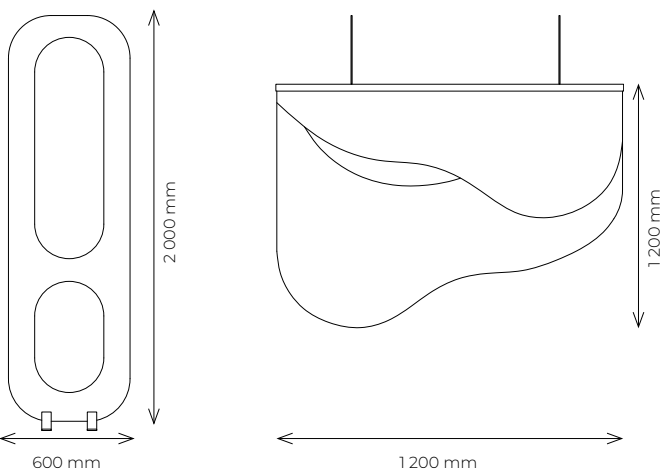
Fire safety
Possibility of making out of materials with fire resistance class B-s2, d0.

Additional information
This and the following product was designed as part of the research and development project "Development of Integrated Acoustic Modifying Components Technology" (IAMC), co-financed by the European Union under the European Regional Development Fund. Agreement number: POIR.01.01.01-00-0965 / 18-00



EcoPET the Screen

exemplary pattern



Size
according to an individual design
(size max. 1 200 x 2 400 mm)

Thickness
9 - 27 mm

Area weight
2 000 - 5 000 g/sqm

Material
EcoPET, EcoFELT - pressed PET polyester fibers.
Colour guide available on request.

Designer
ZAEM Team

Country of production
Poland

Category
absorption

Description
EcoPET the Screen is a sound-absorbing acoustic partition made in a free-standing or hanging form. It is not only a barrier to sound, but also eliminates occurring acoustic defects in rooms, i.e. too long reverberation or flutter echo. By using EcoPET the Screen, you can separate a part of a larger room, creating a work space with much greater acoustic comfort.

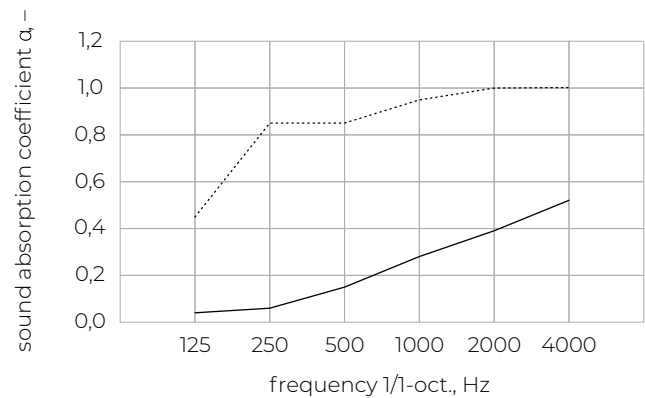
Sound absorption coefficient
 $\alpha_w = 0.25$

Application
Standard and open-plan offices, hairdressing and beauty salons, customer service stations in banks and others.

Custom-made
Depending on the design concept, different sizes, colours (single-color with EcoPET material, two-color or multi-color with EcoFELT material) and shapes are available.

Fire safety
Possibility of making out of materials with fire resistance class B-s2, d0.

Architected Sound EcoPET the Skin oraz the Screen – sound absorption coefficients



| frequency 1/1 oct. | | — |
|--------------------|-------|------|
| 125 Hz | 0.45 | 0.05 |
| 250 Hz | 0.85 | 0.05 |
| 500 Hz | 0.85 | 0.15 |
| 1000 Hz | 0.95 | 0.30 |
| 2000 Hz | 1.00 | 0.40 |
| 4000 Hz | 1.00 | 0.50 |

----- EcoPET the Skin *
———— EcoPET the Screen **

* values obtained by measurements conducted according to PN-EN ISO 354:2005 for a 28 cm deep rack

** values obtained by numerical simulation for an element freely suspended in space



In addition to our range of standard products,
we can create personalized designs
upon special request.

