

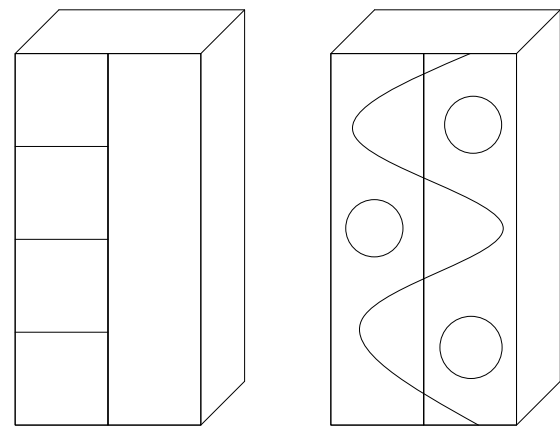
# ECO PET the RAM



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.

# ECO PET 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.

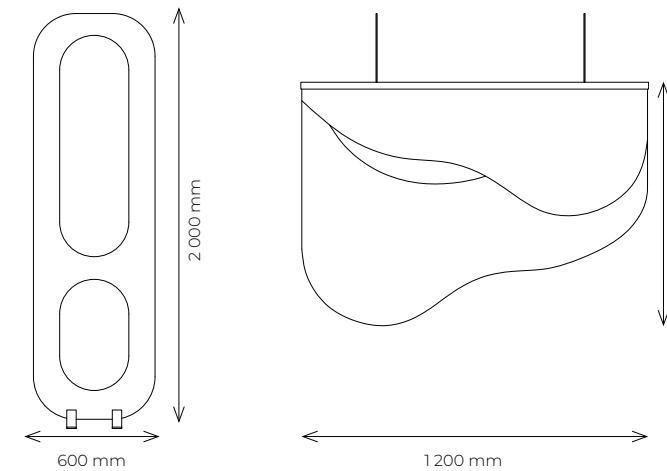
**Fire safety**  
Possibility of making out of materials with fire resistance class B-s2, d0.

**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



# ECO PET 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.

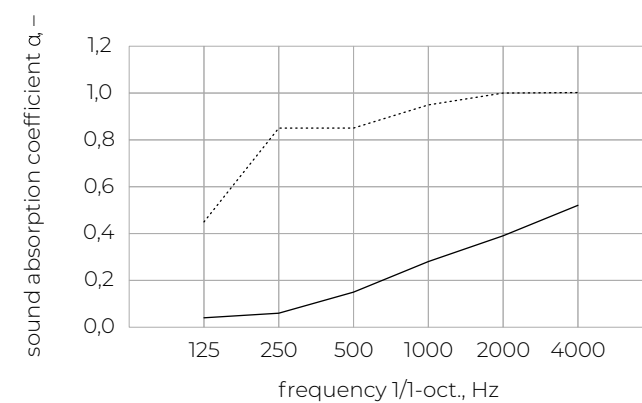
**Sound absorption coefficient**  
 $\alpha_w = 0.25$

**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