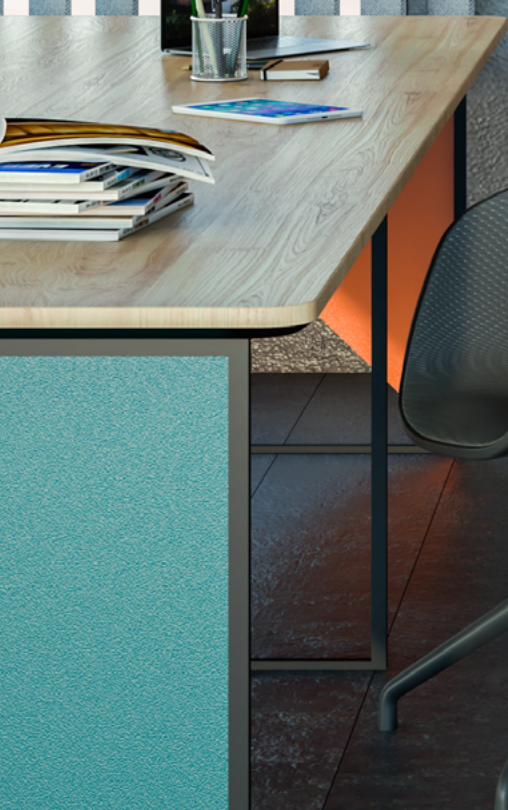


ECOPET

the Blinds



ECOPET

the Blinds

Shield yourself from noise!



absorption



mid tones



high tones



ECOPET the Blinds

architected sound



architected sound

ECOPET the Blinds



Thanks to EcoPET the Blinds – an acoustic window solution – you can shield yourself from both sunlight and unwanted reverberation noise. By opening and closing the slats, you control the flow of light and fine-tune the acoustics of the room.



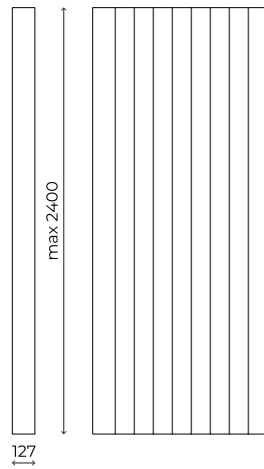
EcoPET the Blinds



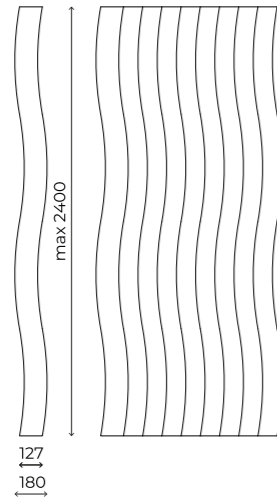
absorption mid tones high tones

EcoPET the Blinds are sound-absorbing vertical acoustic window blinds with slats made of PET – a dust-free and fully environmentally friendly material. Replacing standard window coverings, the Blinds effectively reduce both excessive sunlight and reverberation noise, ensuring optimal comfort and acoustic balance in any room.

pattern 01

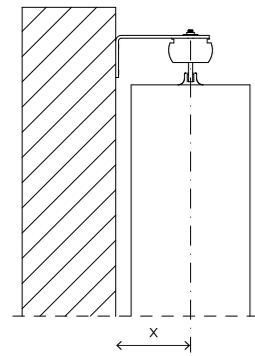


pattern 02

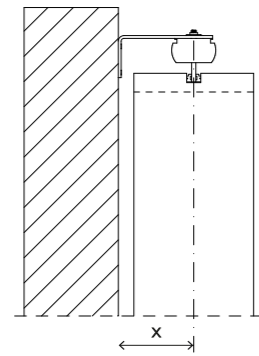


wall mounting

EcoPET material

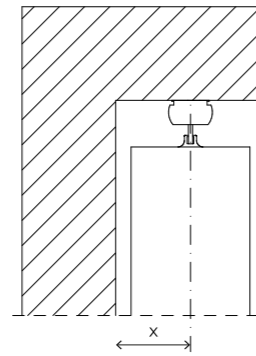


EcoFelt material

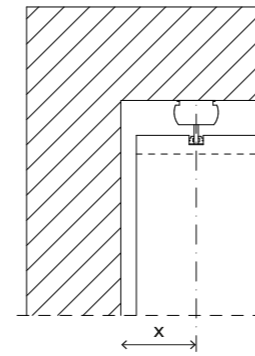


ceiling mounting

EcoPET material



EcoFelt material



* dimension x: pattern 01 – 80 mm, pattern 02 – 105 mm

Size

slat width: min. 89 mm
slat height: max. 2400 mm

Thickness

2, 9, 11 mm

Area weight

500 - 2400 g/m²

Material

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

Fire safety

Made out of materials with flammability class at least C-s2, d0.

Designer

IAMC Team

Country of production

Poland

Category

absorption

Description

EcoPET the Blinds are vertical acoustic window blinds designed for indoor use. The slats are made of compressed PET polyester fiber – a non-toxic, odorless, and dust-free material. The system is compatible with standard wall-mounted or ceiling-mounted curtain rails.

Custom shapes can be cut, and both single-color and dual-color slats are available. Two-color versions consist of an EcoPET base with an additional EcoFELT layer. The system provides sound absorption in the mid and high frequency ranges and is suitable for a variety of interior applications.

Sound absorption coefficient

$\alpha_{w, \max} = 0,70$ (H)

Application

Office rooms, conference rooms, auditoriums, rooms in private homes and public buildings, e.g. schools, universities, libraries, offices etc.

EcoPET the Blinds can act as partitions, with which you can separate a space in the room – this functionality is perfect for example for beauty salons.

Custom-made

Depending on the design concept, different colours (single and double-sided), sizes and shapes are available.

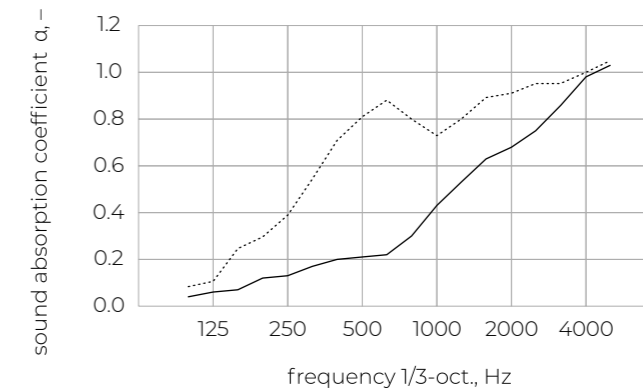
Additional information

The 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



Architected Sound EcoPET the Blinds – sound absorption coefficients



Practical sound absorption coefficient α_p

frequency 1/1 oct.	—
125 Hz	0.15	0.05
250 Hz	0.40	0.15
500 Hz	0.80	0.20
1000 Hz	0.80	0.40
2000 Hz	0.90	0.70
4000 Hz	1.00	0.95

----- open blinds *
———— closed blinds *

* measurements carried out in accordance with PN-EN ISO 354: 2005 assembly type G-200



architected sound

Acoustic solution such as EcoPET the Blinds successfully replaces universal vertical blinds, roller blinds and other window solutions.

