

INTERIOR ACOUSTICS

# Idea**FLOW** DATASHEET



# About ideaFLOW

Discover a range of endless possibilities with the design of our new ideaFLOW panels which control reverberating sound while adding to the design of the interior space of your choice.

Changes in our color palette made it possible for IDEATEC to commercialize this new product in 18 different colors ranging from more subtle shades to brighter and more colorful ones!

IdeaFLOW has been developed as a light and semi-rigid acoustic panel fabricated with 100% polyester fiber with a minimum of 75% recycled material (PET bottle-flake).

Apart from offering soundproof qualities, ideaFLOW is completely safe, hypoallergenic, and it is neither toxic or irritant. It can be employed as the base material for a more traditional result, or buyers can opt to choose from a wide variety of creative and aesthetic designs.

## APPLICATIONS:

- Work offices
- Educational institutions
- Open-plan spaces
- Restaurants
- Libraries
- Hotels
- Boardrooms and conference rooms
- Showrooms

## SPECIFICATION:

IdeaFLOW panels are made from thermally-bonded polyester containing not less than 75% post-consume recycled material as manufactured by IDEATEC.

<https://www.ideatec.es/>

Panel: 600mmx600mmx9mm depth

1200mmx600mmx9mm depth

(Standard measurements),

Color: IdeaFLOW color palette,

Sound absorption:  $\alpha_w = 0.80$ ,

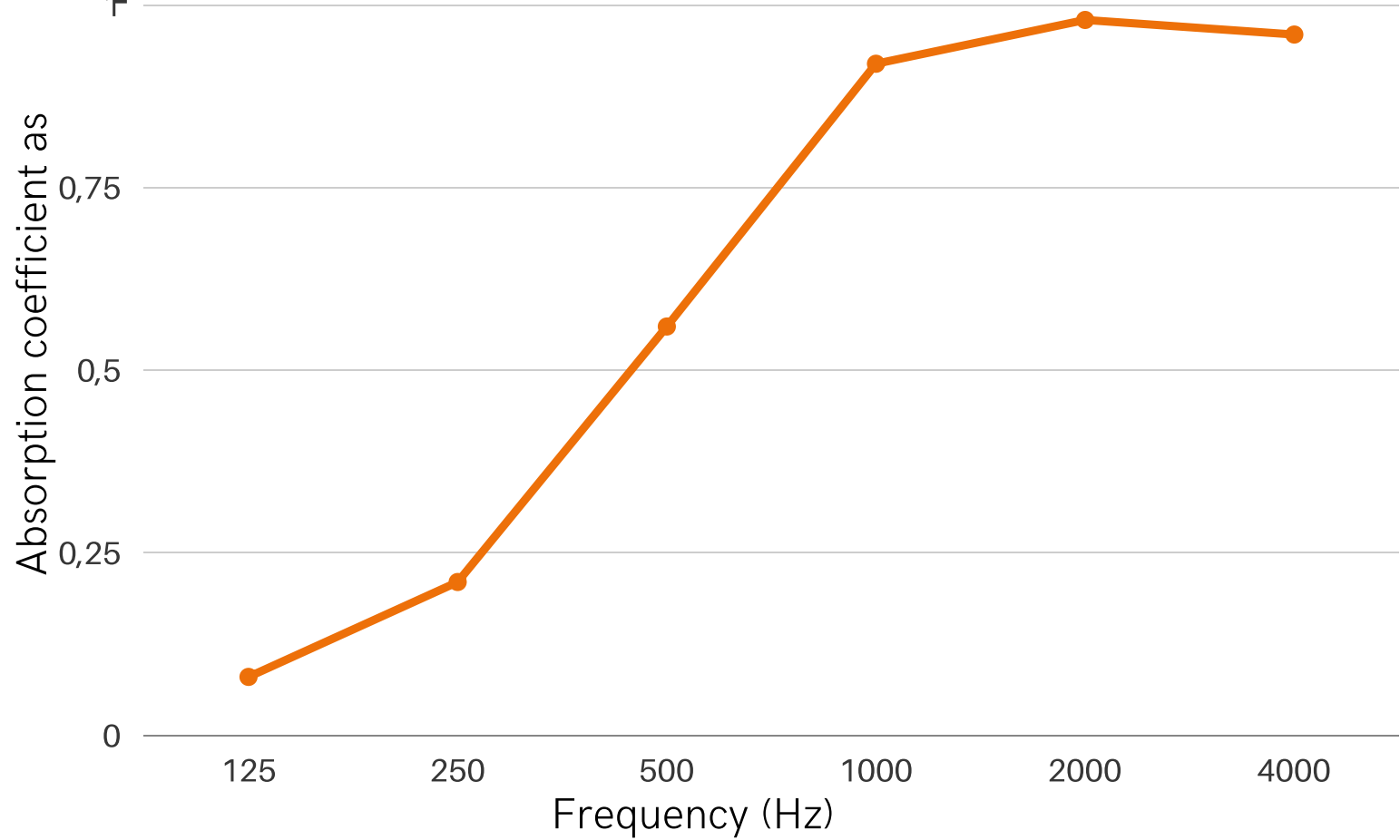
Reaction to fire classification:

EN13501-1:2007+A1:2009: B-s2, d0,

ASTM E84 Class A.

Install as per IDEATEC recommendations.

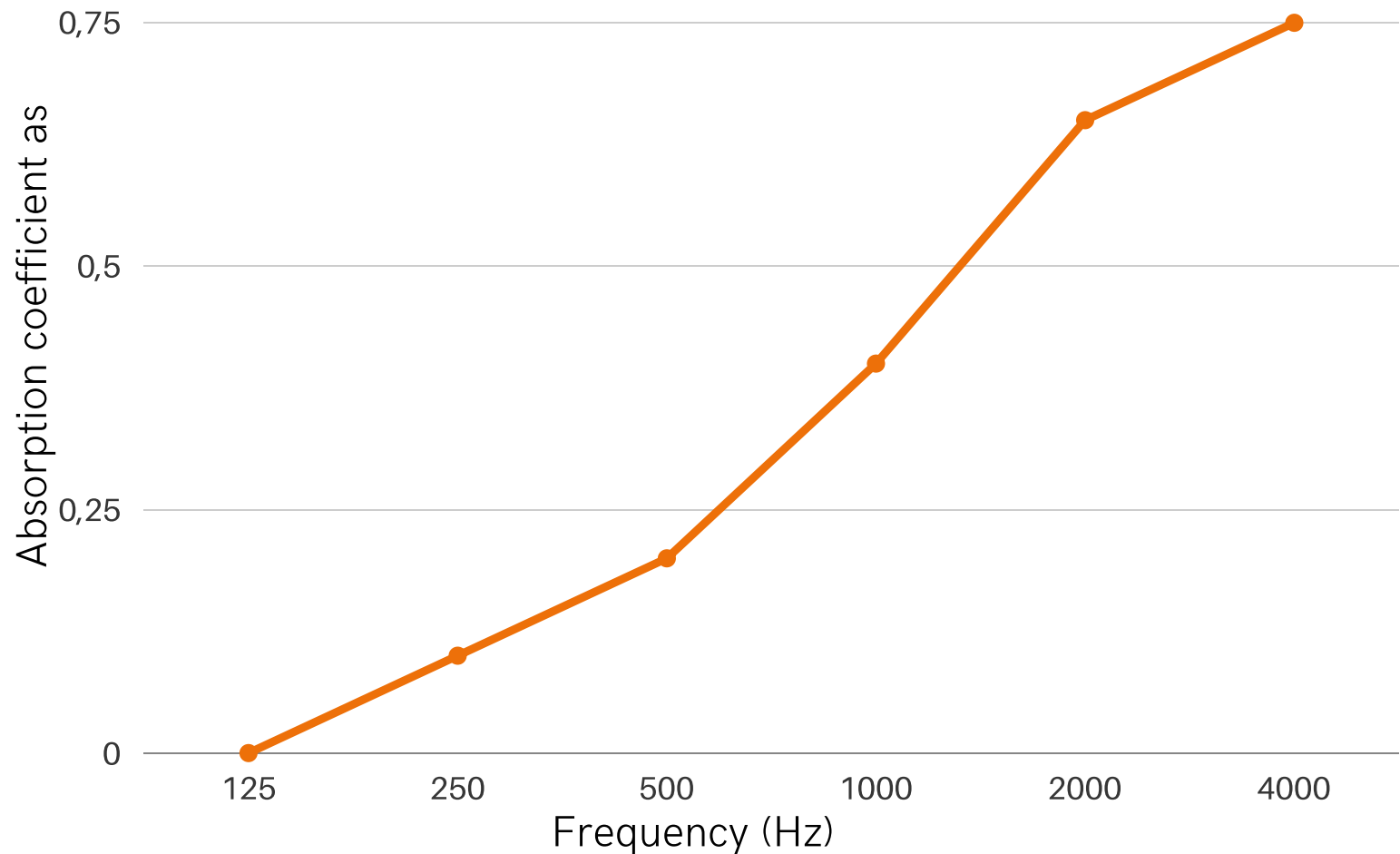
# Absorption Coefficient according to ISO 354 (with plenum)



Frequency (Hz)	125	250	500	1000	2000	4000	<b>NRC</b>
<b>Coefficient of Absorption (αs)</b>	0.08	0.21	0.56	0.92	0.98	0.96	0.65

Table presents the practical sound absorption coefficients as according to ISO 11654. Graph presents six sound absorption coefficients (According to ISO 354 Measurement of sound absorption in a reverberation room.) The NRC rating is determined as the arithmetic average of the absorption coefficients measured by one-third octave bands centred on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz. and rounded to the nearest 0.05.

# Absorption Coefficient according to ISO 354 (no plenum)



Frequency(Hz)	125	250	500	1000	2000	4000	<b>NRC</b>
<b>Absorption coefficient (αs)</b>	0.00	0.10	0.20	0.40	0.65	0.75	0.35

Table presents the practical sound absorption coefficients as according to ISO 11654. Graph presents six sound absorption coefficients (According to ISO 354 Measurement of sound absorption in a reverberation room.) The NRC rating is determined as the arithmetic average of the absorption coefficients measured by one-third octave bands centred on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz. and rounded to the nearest 0.05.

## PRODUCT SPECIFICATIONS

**Product Name:** IdeaFLOW

**Composition:** 100% Polyester Fiber (PET)

**Panel Dimensions:** 600x600mm (other sizes available)

**Thickness:** 9mm

**Density:** 220kg/m<sup>3</sup>

**Tolerance:** +/- 6%

**Weight:** 0.81kg

## INSTALLATION

Install as per IDEATEC recommendations. Installment instructions are made available on a separate document on the website.

<https://www.ideatec.es/>

## ACOUSTIC PERFORMANCE

IdeaFLOW panels are designed to reduce and control reverberated noise in interior spaces. The product's sound-absorbing properties are offered by its polyester fiber core.

# Environmental

Polyethylene terephthalate (PET) is a waste material that takes up considerable space in nature and needs to be recycled for the disposal of these wastes. Today, PET is the most widely recycled plastic in the world. IdeaFLOW is, therefore, an eco-friendly product. Sustainability is one of the main concerns of our modern world, we only have one Earth, and it is our duty, as a company, to be conscious about it. Our professional team in IDEATEC is trying their best to minimize the impact of our production and distribution on the planet.

**Our product is 100% recyclable and produced with minimum 75% recycled polyester fiber!**



# COLORpalette







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