POLYFON WS

Acoustic Slotted Panel

with SOUND ABSORPTION PROPERTIES

POLYFON-WS : A unique design of linear slotted acoustic panel, with wooden appearance.

Description

POLYFON-WS is a new stylish acoustic wooden slot appearance panel with foam attached to the back side of the panel. It can be used in halls, in order to improve acoustics properties and reverberation time, reducing the unwanted reflections, flutter echo and standing waves as well as enhancing them aesthetically. It combines absorption with diffusion and it can improve the acoustic quality, prevent the room modes and increase the clarity.

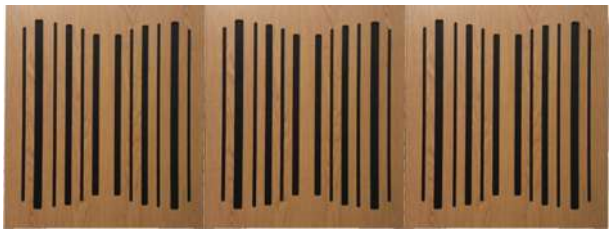
POLYFON-WS contributes in acoustics by offering absorption in a variety of frequencies due to a range of different sizes of linear slots on each panel.
Installation on the wall, can be easily done with adequate glue, or using a system of four Hook-and-loop fasteners type Velcro® in the corners of each panel.
Upon request we can provide **POLY**FON**-WS** with our innovative and fully adjustable neodymium magnet installation system .
The panel can also be adapted in traditional false ceiling system with aluminium T profile (dimension 60 x 60 cm).

The standard version of external visible surface of POLYFON - WS can be covered with melamine MDF oak wood imitation, offering superior aesthetic design.

Other colors and wood imitations are available upon request.

The polyurethane foam on the back of the panel is a semi-open cells foam anthracite color with self extinguishing characteristics, according to FMVSS 302.

Thickness H : 33 & 53 mm
Dimensions: 595 x 595 mm



POLYFON - WS
with oak wooden melamine appearance
Horizontal instalation

Acoustic characteristics

Type	Sound Absorption Coefficient (a_p) Frequency (Hz)						Weighted Sound Absortpion Coefficient (a_w)	Sound Absorption Class
	125	250	500	1000	2000	4000		
POLYFON-**WS.30**	0.1	0.2	0.5	0.9	0.8	0.7	0.8	B
POLYFON-**WS.50**	0.15	0.35	0.65	1.0	0.9	0.95	0.9	A

Sound absorption coefficients ap, according to ISO 11654:1997.

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