



**Custom
Audio
Designs**

category	diffuser
description	wavyfuser®
part code	WAV060



WAV060 WAVYFUSER® – This acoustic diffuser combines a sequence of concave and convex shapes with numerical sequencing which creates a surface profile that optimises the diffusion scattering. The model is supplied in male and female pairs which, when combined, make the diffusion of medium/low frequencies much more efficient.

It can also be combined with the **FOAMSORB®** absorber panel to maintain an aesthetic similarity of surface profiles whilst providing varying degrees of absorption and diffusion within the required area, thus making it ideal for a variable acoustic application.

The **FOAMSORB®** panels simply fit into the profile of the **WAVYFUSER®** when required and are easily removed.

This diffuser is made of high density EPS which, unlike most other products on the market, is 80kg/m³ rather than the inferior, less effective, 30kg/m³.

Features

- NRC average: 0.21/m² [>100Hz; <5kHz]
- Average diffusion 0.57/m² [>100Hz; <5kHz]
- Installation: glues included
- EPS Euroclass fire-retardant (NP EN 13501-1)
- Very easy to install
- Lightweight
- For walls and ceilings
- **Made from 100% recyclable EPS**



Available colours:



Technical data

Diffusion Coefficient

Hz	50	63	80	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k	10k	Average [>100Hz; <5kHz]
aS	0.12	0.12	0.15	0.28	0.30	0.37	0.38	0.43	0.44	0.46	0.50	0.55	0.63	0.64	0.66	0.71	0.75	0.77	0.79	0.78	0.79	0.77	0.77	0.76	0.57

These values were obtained by mathematical calculations and tests carried out in the laboratory

Non standard values

Absorption Coefficient

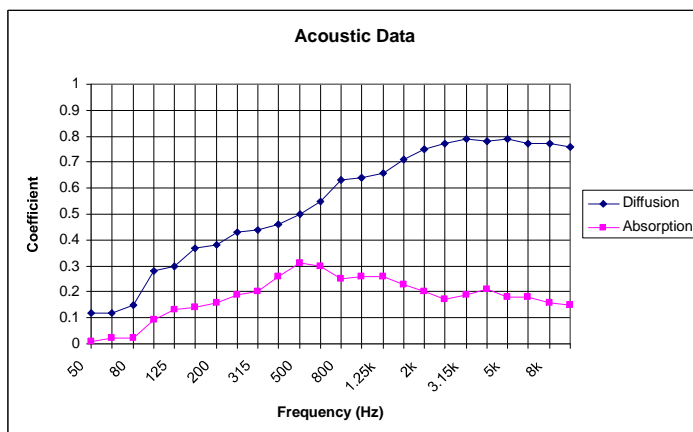
Hz	50	63	80	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k	10k	Average [>100Hz; <5kHz]
aS	0.01	0.02	0.02	0.09	0.13	0.14	0.16	0.19	0.20	0.26	0.31	0.30	0.25	0.26	0.26	0.23	0.20	0.17	0.19	0.21	0.18	0.18	0.16	0.15	0.21

Values in accordance with the Standards: ISO354, ASTM C423 and EN 11654

Non standard values

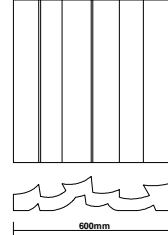
Model Sizes:

	Height	Width	Depth	Kg
WAV060	60cm	60cm	13cm	1.0
WAI060	60cm	60cm	12cm	1.1
WAV120	120cm	60cm	13cm	1.0
WAI120	120cm	60cm	12cm	1.1



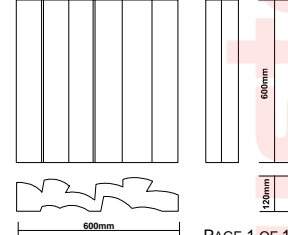
Technical Drawing:

WAV060



Technical Drawing:

WAI060



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