



Rcategory	diffuser
description	cubefuser®
part code	CUF060



CUBEFUSER® This acoustic diffuser is highly versatile providing almost uniform absorption and diffusion simultaneously which makes it rather unique for an acoustic product.

Acoustically this translates into a better control of sound bandwidth diffusion and absorption all at the same time. It can also be combined with the Cubesorb® Absorber panel to maintain an aesthetic similarity of surface profiles whilst providing varying degrees of absorption and diffusion within the required area.

The unit is able to provide high degrees of absorption because the protruding cubes make the sound enter directly into the recessed cavities. It provides a highly attractive design to walls and ceilings.

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

Features

- Average diffusion: 0.50/m² [>100Hz; <5Hz]
- NRC average: 0.47/m² [>100Hz; <5Hz]
- Installation: glues included
- EPS Euroclass fire-retardant (NP EN 13501-1)
- Very easy to install
- Very light
- For ceilings or walls
- α_w=0.55
- Absorption Class D
- **Made from 100% recyclable EPS**



Available colours:



Acoustic Performance

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	0.04	0.04	0.09	0.16	0.25	0.32	0.34	0.36	0.39	0.40	0.44	0.49	0.55	0.63	0.67	0.66	0.68	0.65	0.65	0.68	0.70	0.71	0.70	0.70	0.50

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	0.05	0.06	0.08	0.14	0.22	0.28	0.33	0.44	0.49	0.48	0.48	0.47	0.46	0.46	0.49	0.53	0.55	0.60	0.63	0.70	0.77	0.80	0.83	0.82	0.47

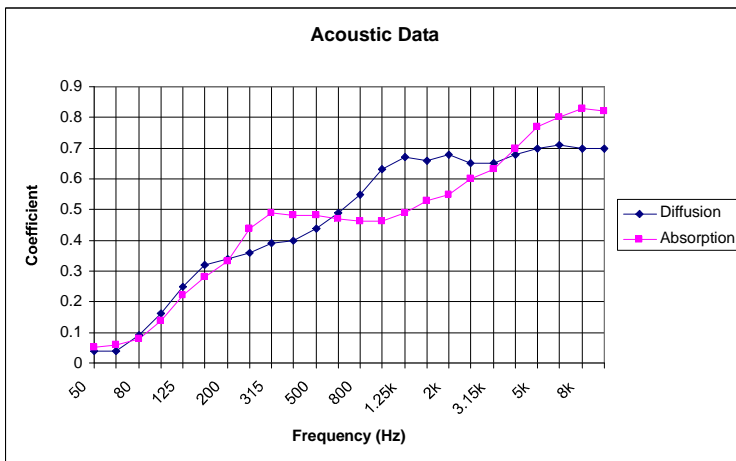
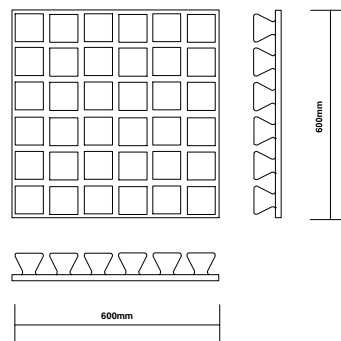
Values in accordance with the Standards: ISO 354, ASTM C423 and EN 11654

■ Non standard values

Model Sizes:

	Height	Width	Depth	Kg
CUF060	60cm	60cm	8cm	0.5

Technical Drawing:
CUS060



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