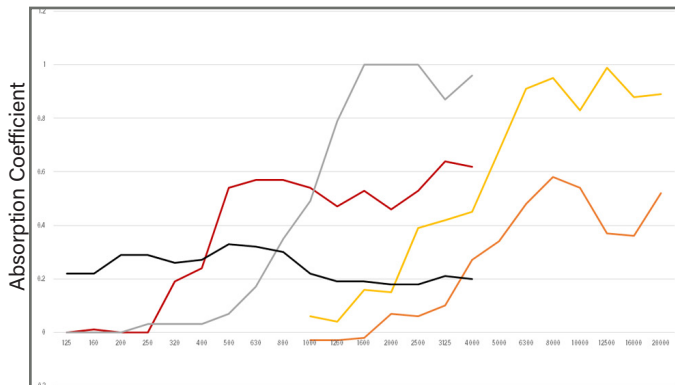


Modfractal



The Modfractal is part of the evolution in architectural acoustics toward aperiodic sequencing of asymmetrical shapes and provides full spectrum sound diffusion in a single integrated diffuser. To achieve this, the self similarity property of fractals was combined with the uniform scattering property of a phase optimized sound diffuser. This unique and patented design expands the bandwidth and offers the broadest spectrum of sound diffusion available while also allowing optimized array sequencing for further improved performance. The Modfractal is a furniture grade, natural wood sound diffuser designed to provide a more uniform sound field through mid and high frequency sound diffusion while limiting the amount of sound absorption.

The Modfractal is available in a wide variety of finishes, including wood veneer, laminates, melamine coatings and painted surfaces.

The Modfractal can be mounted to a wall or ceiling surface with the provided wood cleats. Due to its depth, it is often recessed into a wall or ceiling cavity.

Frequency	Diffusion (mid)	Diffusion (high)	Scattering (mid)	Scattering (high)	Absorption
125	0		0		0.22
160	0.01		0		0.22
200	0		0		0.29
250	0		0.03		0.29
320	0.19		0.03		0.26
400	0.24		0.03		0.27
500	0.54		0.07		0.33
630	0.57		0.17		0.32
800	0.57		0.35		0.3
1000	0.54	-0.03	0.49	0.06	0.22
1260	0.47	-0.03	0.79	0.04	0.19
1600	0.53	-0.02	1	0.16	0.19
2000	0.46	0.07	1	0.15	0.18
2500	0.53	0.06	1	0.39	0.18
3125	0.64	0.1	0.87	0.42	0.21
4000	0.62	0.27	0.96	0.45	0.2
5000		0.34		0.68	
6300		0.48		0.91	
8000		0.58		0.95	

