

Harmonix



The Harmonix-G is fabricated from non-combustible glass reinforced gypsum for safety and economy and designed to provide optimal coverage with minimal low frequency diaphragmatic absorption. This provides uniform coverage, due to optimal diffusion, lack of periodicity effects, due to aperiodic modulation and good low frequency support. Add beauty and improved acoustical performance to your room with Harmonix-G. The Waveform Harmonix-G is the first cost-effective, non-combustible GRG, moulded 2D sound diffuser that offers uniform mid-high sound diffusion and minimal low frequency diaphragmatic absorption to provide optimal coverage with good bass support.

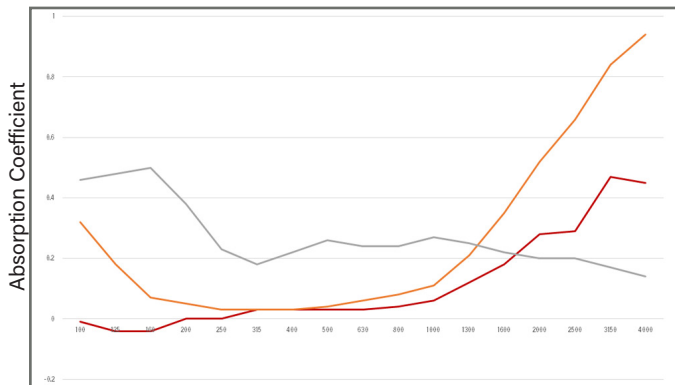
Aperiodic Modulation of a Single Asymmetric Base Shape

RPGs patented Aperiodic Modulation of a Single Asymmetric Base Shape allows the creation of wide area coverage seamlessly with a single asymmetric base shape (top), thus minimizing periodicity effects. This is possible, because the asymmetric central shape, determined by the architect or acoustician, morphs to identical sides, which have a zero gradient, allowing adjacent tiles to seamlessly transition without discontinuity in any orientation (middle) forming a larger aperiodic array (bottom 4x4 array). Performance

The graph below illustrates the random incidence diffusion, scattering and absorption coefficients for the Harmonix-G.

Installation

The Harmonix-G installs in a regular mount in a standard 15/16 T-bar grid. Modules can be oriented in any direction and the perimeter topology will be identical.



Frequency	Diffusion	Scattering (c)	Absorption
100	-0.01	0.32	0.18
125	-0.04	0.18	0.17
160	-0.04	0.07	0.14
200	0	0.05	0.14
250	0	0.03	0.12
315	0.03	0.03	0.11
400	0.03	0.03	0.09
500	0.03	0.04	0.11
630	0.03	0.06	0.11
800	0.04	0.08	0.1
1000	0.06	0.11	0.11
1300	0.12	0.21	0.12
1600	0.18	0.35	0.13
2000	0.28	0.52	0.15
2500	0.29	0.66	0.15
3150	0.47	0.84	0.16
4000	0.45	0.94	0.14

