



Blue = Diffusion Coefficient (mid)  
 Light Blue = Diffusion Coefficient (high)  
 Green = Scattering Coefficient (mid)  
 Light Green = Scattering Coefficient (high)  
 Red = Absorption Coefficient - NRC = 0.30, SAA = 0.26

Additional test data is available – please see the Supplementary Acoustical Data Charts online or contact your local RPG Sales Representative.

Frequency (Hz)	Diffusion Coefficient (Blue-Mid)
250	0.00
315	0.19
400	0.24
500	0.54
630	0.57
800	0.57
1000	0.54
1250	0.47
1600	0.53
2000	0.46
2500	0.53
3150	0.64
4000	0.62

## PRODUCT OVERVIEW

**Modfractal™** is part of the evolution in architectural acoustics toward aperiodic sequencing of asymmetrical shapes. It provides full-spectrum sound diffusion in a single integrated diffuser by combining the self-similarity properties of fractals 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. Units are available in a high recycled content, ULEF, Class A fire-rated and FSC MDF core, and FSC solid wood wells.

## SIZING

- Standard Unit: 23-5/8" W x 47-1/4" L x 7-7/8" D
- Maximum Unit: 23-5/8" W x 8' L x 7-7/8" D  
(Custom panel lengths are available)
- Each panel weighs approx. 7.50 lbs/ft<sup>2</sup>

## CORE FIRE RATING

Class A (per ASTM E-84)

## FINISH

**Modfractal™** is available in various finishes, including solid woods (Ash, Birch, Cherry, Mahogany, Maple, Poplar, Red Oak, Walnut, White Oak) for acoustic wells, natural and engineered wood veneers, painted surfaces and laminates for vertical ribs and frames. RPG offers clear lacquer or factory color-matching of wood finishes and paint colors.

## INSTALLATION

**Modfractal™** is designed to be surface-mounted to a wall or ceiling with factory-integrated blocking. They can be installed singularly or in an array across walls and ceilings.