



Blue = Diffusion Coefficient

Green = Scattering Coefficient

Red = Absorption Coefficient - NRC = 0.15, SAA = 0.14

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

Frequency (Hz)	Diffusion Coefficient
400	0.01
500	0.02
630	0.02
800	0.08
1000	0.41
1250	0.30
1600	0.49
2000	0.43
2500	0.43
3150	0.67
4000	0.54

PRODUCT OVERVIEW

Omniffusor® W84 has become a classic shape in architectural acoustics. It is a 2-dimensional sound diffuser and, since its inception in 1990, can be found in churches, schools, theaters and studios worldwide. The surface of the **Omniffusor® W84** is designed to provide a more uniform sound field through mid and high-frequency diffusion. In contrast, the natural wood construction of the unit, available in a high recycled content, ULEF, Class A fire-rated and FSC MDF core, limits the amount of sound energy removed by absorption.

SIZING

- Standard Unit 23-5/8" L x 23-5/8" W x 4" D
- Each panel weighs approx. 3.75 lbs/ft²

CORE FIRE RATING

Class A (per ASTM E-84)

FINISH

Omniffusor® W84 is available in various finishes, including natural and engineered wood veneers and laminates. RPG offers clear lacquer or factory color-matching of both wood finishes and paint colors.

INSTALLATION

Omniffusor® W84 is designed to be surface-mounted to a wall or ceiling with factory-integrated blocking or dropped into a standard 15/16" HD T-grid supplied by others. These panels can also be installed adjacent to **Omniffusor® W58**, **W76** and **W113** units for comprehensive broadband diffusion performance.

Note: Previously Omniffusor®