



Blue = Diffusion Coefficient
 Green = Scattering Coefficient [Predicted]
 Red = Absorption Coefficient - NRC = 0.25

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

| Frequency (Hz) | Diffusion Coefficient [VIRGO FEM] |
|----------------|-----------------------------------|
| 315 | 0.04 |
| 400 | 0.08 |
| 500 | 0.05 |
| 630 | 0.24 |
| 800 | 0.38 |
| 1000 | 0.34 |
| 1250 | 0.29 |
| 1600 | 0.35 |
| 2000 | 0.33 |
| 2500 | 0.22 |
| 3150 | 0.24 |
| 4000 | 0.24 |
| 5000 | 0.18 |

PRODUCT OVERVIEW

Omniffusor® W76 is a 2-dimensional sound diffuser created to expand the product line anchored by the classic Omniffusor® W84 — the first product of its kind offered on the market. With its deeper construction, the **Omniffusor® W76** has been designed to extend the diffusion bandwidth into the mid and lower mid-range frequencies, while 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" W x 23-5/8" L x 6" T
 Each panel weighs approx. 5.00 lbs/sf

CORE FIRE RATING

Class A (per ASTM E-84)

FINISH

Omniffusor® W76 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® W76 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, W84 and W113 units for comprehensive broadband diffusion performance.