



Blue = Diffusion Coefficient
 Green = Scattering Coefficient
 Red = Absorption Coefficient - NRC = 0.25, 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
315	0.00
400	0.10
500	0.40
630	0.38
800	0.40
1000	0.49
1250	0.30
1600	0.41
2000	0.62
2500	0.57
3150	0.58
4000	0.38
5000	0.18

PRODUCT OVERVIEW

QRD® 734 has proven to be the most popular and versatile diffuser in the RPG product line. Its wide bandwidth, low cost and a broad selection of finishes make it a logical choice for music education facilities, recording studios, worship spaces, auditoriums, theaters and performing arts facilities. This 1-dimensional diffuser is a modular, computer-designed phase grating that produces a directional hemidisc polar response that can be oriented in any direction. The surface of the QRD 734 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 Panels: 23-5/8" W x 23-5/8" L x 9-1/8" D (Custom panel lengths up to 8' are available)
- Each panel weighs approx. 8.00 lbs/ft²

CORE FIRE RATING

Class A (per ASTM E-84)

FINISH

QRD® 734 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

QRD® 734 is designed to be surface or flush-mounted to a wall or ceiling with factory-integrated blocking. They can be installed singularly or in an array across walls and ceilings.