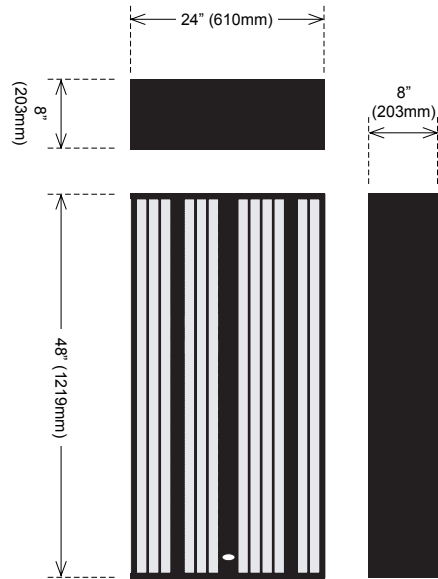


RAZORBLADE™ QUADRATIC DIFFUSER

Primacoustic Razorblade is a true quadratic residue diffuser that will effectively break-up standing waves and directional reflections to provide a sense of air and increased space in any room. The Razorblade is constructed using a combination of furniture-grade plywood for durability and high-density fiber board for increased mass and features 15 varying well depths that combine to effectively diffuse directional frequencies above the critical 400Hz region. Offered in an easy to clean black finish, the Razorblade comes fully assembled. Mounting is generally performed using a simple rail below a diffusion cluster to hold the weight and then fixing the top to secure the Razorblades in place. Ideally suited for recording studios, theaters of all sizes and critical listening environments.

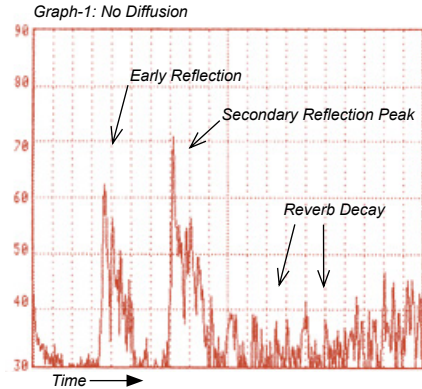

SPECIFICATIONS:

Frame Material	Black melamine laminated MDF
Dimensions	24" (610mm) x 48" (1219mm) x 8" (203mm)
Order Number	Z840-2400-00



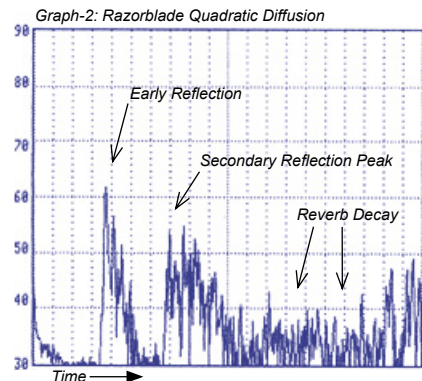
Graph-1:
Room without Diffusion

The first spike represents the rooms early, or primary reflections. The second spike indicates the secondary reflections or room ambience. The secondary is a full 10dB louder than the early reflections and most of the energy is bunched up at one point in time showing a peak.



Graph-2:
Room with Diffusion

Diffusion works by dispersing peak acoustic energy and spreading these spikes over a broader time span, creating secondary reflections that decay gradually and evenly. Diffusion is perceived as a natural wash of reverberation.


APPLICATION:

Diffusers on the rear wall span the width of the listening position and break up front-to-back waves.

