



Blue = 1" BAD™ Panel = NRC 0.75  
 Green = 2" BAD™ Panel = NRC 1.00  
 Red = 3" BAD™ Panel = NRC 1.00  
 Purple = 4" BAD™ Panel = NRC 1.00

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

Frequency (Hz)	2" BAD™ Panel
100	0.27
125	0.30
160	0.48
200	0.66
250	0.84
315	0.96
400	1.12
500	1.10
630	1.08
800	1.04
1000	1.11
1250	0.99
1600	0.90
2000	0.85
2500	0.74
3150	0.60
4000	0.46
5000	0.37
NRC	1.00
SAA	0.95

## PRODUCT OVERVIEW

The **BAD™ (Binary Amplitude Diffuser) Panel** is a unique synergy of advanced acoustic technology and simplicity of design when performance is paramount. Utilizing an optimal binary pattern of perforations in a rigid template over a sound-absorbent core, the **BAD™ Panel** achieves an excellent balance of sound absorption across the NRC frequency bands while preserving the space's ambiance by rolling off the absorption at 1000Hz. This unique hybrid technology eliminates excessive high-frequency absorption, transitions to a scattering surface in the very high frequencies, prevents lobing inherent in common perforated surfaces and significantly improves mid and low-frequency absorption.

## SIZING

- Standard Panel: 4' W x 8' L X 1", 2", 3" & 4" T
- Maximum Panel: 4' W x 10' L  
(Custom panel widths and lengths are available)
- Each 1" thick panel weighs approx. 1.20 lbs/ft<sup>2</sup>

## COMPOSITE FIRE RATING

Class A (per ASTM E-84)

## FINISH

The **BAD™ Panel** can be wrapped with RPG reviewed industry standard and custom fabrics. Fabrics with acoustical performance data are preferred.

## INSTALLATION

The **BAD™ Panels** can be quickly and easily hung on any wall surface using RPG's Impalit™ clip. For ceiling applications, the panels can be either direct mounted with Z-bar attachments or suspended using a cloud anchor kit. Panels can also be configured to be installed in standard 15/16" HD T-grid supplied by others.

## STANDARD PANEL EDGE CONDITIONS

