

# WALL SOUND DIFFUSERS (WD)

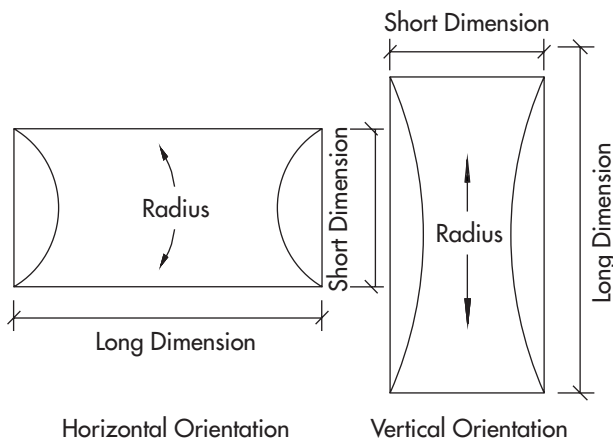
G&S Acoustics' barrel and pyramidal-shaped Wall Sound Diffusers combine shape and high-impact hardness to **diffuse sound evenly** across rooms to control "flutter" and "echo" effects from sounds in the room.

Our wall sound diffusers are **excellent, low-frequency sound absorbers**. By absorbing low-frequency sounds, while reflecting the higher frequencies, the room maintains a "bright" sound.

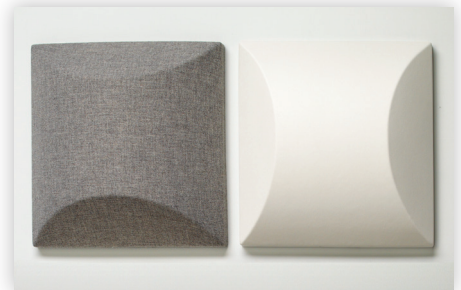
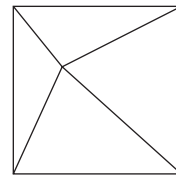
We offer three types of wall sound diffusers: standard (WD), low-frequency absorber (WDA) and a sound-reflective diffuser (WDL). Select a sound-diffusion system using the tables shown below.

## WALL DIFFUSERS

### Barrel Wall Diffusers (WD)



### Pyramidal Wall Diffuser (PWD)



### CORE

- WD: 0.125 Thermoformed co-polymer (recyclable), N.R.C. = .20
- WDA: Add 1-1/2", 1-1/2 pcf fiberglass backing, N.R.C. = .35
- WDL: Add additional stiffener, N.R.C. = .05

### SIZES\*

- Pyramidal (PWD): 2'x2', 2'x4', 4'x4'
- Barrel (WD): 1'6"x1'6", 2'x2', 2'x3', 2'x4', 2'x4' ADA, 2'x5', 2'x6', 3'x3', 3'x4', 3'x5', 3'x6', 3'x8', 4'x4', 4'x5', 4'x6', 4'x8'
- Custom sizes also available
- \*Nominal sizes shown, actual sizes 1" smaller in both directions

### MOUNTING

Two-part clip system

### FINISH

Textured white, Custom colors, Fabric (Guilford 2100 or other approved fabrics)

### FLAMMABILITY

All components have a Class "A" rating per ASTM E84

## SOUND ABSORPTION

### WD - Standard Wall Diffuser

Hz	125	250	500	1000	2000	4000	N.R.C.
WD	1.62	.46	.19	.08	.05	.05	.20

### WDA - Wall Diffuser with low-frequency absorption

Hz	125	250	500	1000	2000	4000	N.R.C.
WDA	1.01	.52	.37	.21	.20	.20	.35

### WDL - Wall Diffuser with liner for additional sound reflection

Hz	125	250	500	1000	2000	4000	NRC
WDL	.10	.08	.02	.01	.02	.08	.05

*Controlling  
Sound  
Beautifully*