


## F Diffuser

The F Diffuser™ is a 24" x 48" x 8" (61cm x 122cm x 20.3cm) variable pitch diffuser and absorber that employs a series of adjustable slats allowing the engineer a way to customize the reflective pattern. Behind the slats, a full-size, 2" thick high-density glass wool panel absorbs excessive energy from 250Hz and up. This combination of adjustable slats and absorptive panel helps to eliminate standing waves and flutter echo and is tunable to any room or listening position.

The F Diffuser enclosure is made from MDF wood composite with an easy to clean black melamine finish and ships flat to reduce freight costs. Final assembly is performed on site using a household screwdriver. Building a F Diffuser takes about 15 minutes from start to finish.

### SPECIFICATIONS:

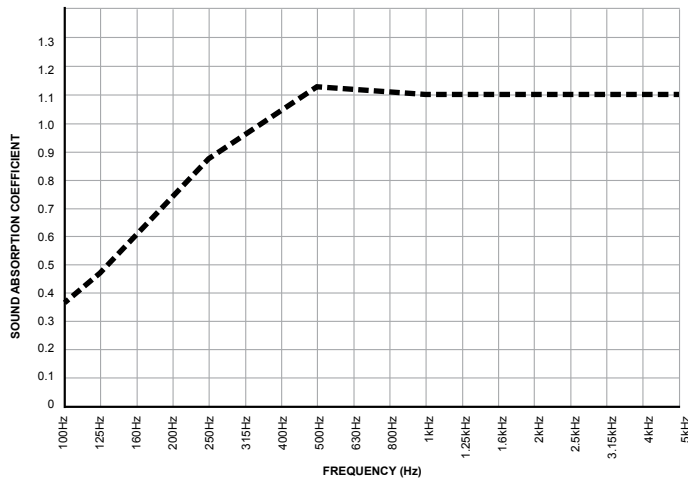
ORDER NUMBER	Z840-1135-08
FRAME MATERIAL	Black melamine laminated MDF outer & slats
DIMENSIONS	24" (610mm) x 48" (1219mm) x 8" (203mm)
PANEL MATERIAL	Formed, semi-rigid inorganic glass fibers; 6.0 lbs. pcf. (96 kg/m3)
WEIGHT ASSEMBLED	46.8 lbs (21.2 kg)
FABRIC FACING	Acoustically transparent polyester, Grey only
LEED ELIGIBLE	Yes 

### ABSORPTION CHARACTERISTICS:\*

Sound absorption coefficient data

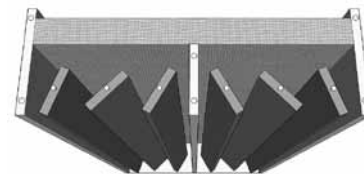
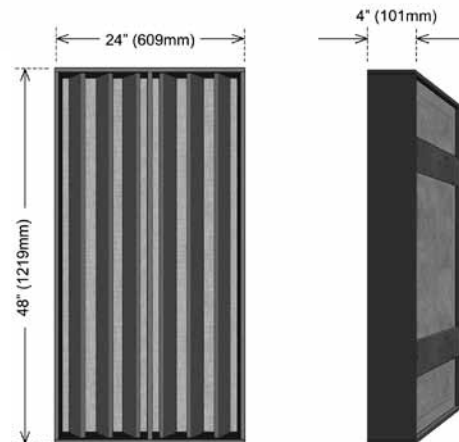
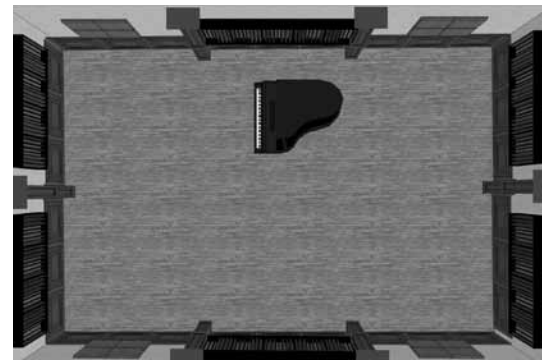
PANEL DEPTH	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	NRC
2" (51mm) Depth	0.48	0.87	1.12	1.06	1.07	1.08	1.05

\*Theoretical absorption based on Broadway panel test results and 1/4 wavelength calculation.



### APPLICATIONS:

Diffusers mounted behind the listening position break up front to back room reflections and create a sense of air.



Top panel removed to show slats.