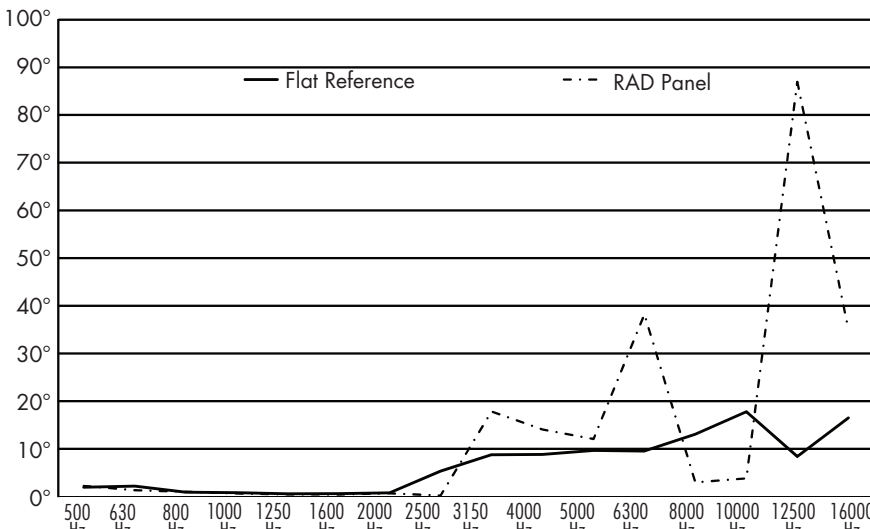


# Sound Absorption Diffusion (FWRAD)

FabricWall's Random Absorption Diffusion (FWRAD) cores use randomly perforated facing sheets to both absorb and diffuse sound. The result is a core that absorbs low and mid-frequencies according to thicknesses, while reflecting and diffusing the high frequencies.



## RAD Panel vs. Flat Reference, Phase Shift



Flat Reference	1.94°	2.22°	0.90°	0.81°	0.60°	0.60°	0.78°	5.32°	8.77°	8.85°	9.69°	9.56°	13.08°	17.79°	8.38°	16.50°
RAD Panel	2.24°	1.33°	1.02°	0.65°	0.45°	0.43°	0.68°	0.20°	17.83°	14.06°	12.06°	38.22°	2.99°	3.83°	86.92°	35.19°

### Core

Random perforated facing sheet, 6-7 pcf recycled fiberglass, 1" - 2" thick

### Flammability

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

## Sound Absorption

Hz	125	250	500	1000	2000	4000	N.R.C.
FWRAD 1	.14	.41	.92	.94	.66	.42	.75
FWRAD 2	.57	.79	1.00	.78	.62	.45	.80

Note: NRC test results based on our standard acoustically transparent fabric. Results may vary with other fabrics.