DOUBLE DUTY™ DIFFUSERS – FABRIC WRAPPED

Polycylindrical (barrel shaped) diffusers will act to scatter sound in any location. Bass absorption will vary with size. A 2' X 4' has maximum absorption at 125 Hz. Increasing size to 4' X 8' lowers the point of maximum absorption to 63 Hz.   Mid to high frequency absorption is typically 0.10 to 0.25.

Construction: Class A Thermoformed plastic, covered in acoustically transparent, Guilford of Maine® FR701® Style 2100 fabric

Nominal Sizes: 2'x2', 2'x4', 4'x4' and *4'x8' (Molded Fiberglass only, not Thermoplastic). *Other sizes are available, please inquire for more information.*

Depth: 7"

Mounting: L-Bracket for direct mount to wall/ceiling – **OR** – Manufactured to fit into standard T-bar grids.

The internal cavity of the Double Duty Diffuser can be lined with a 1½" thick layer of glass fiber batting to increase absorption and prevent resonance (denoted "w/ insulation" in data table).

Sound Absorption Coefficients – Fabric Wrapped Double Duty Diffusor									
Size	Mounting	Weight	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	NRC
2'x2'	D-5	4.3lbs	0.50	0.19	0.22	0.18	0.22	0.24	0.20
2'x2'	E-400	4.3lbs	0.35	0.24	0.18	0.18	0.16	0.29	0.20
2'x2' w/insulation	D-5	5lbs	0.66	0.26	0.26	0.22	0.24	0.30	0.25
2'x2' w/insulation	E-400	5lbs	0.32	0.25	0.22	0.20	0.19	0.31	0.20
2'x4'	D-5	8.4lbs	0.40	0.26	0.19	0.19	0.21	0.21	0.20
2'x4'	E-400	8.4lbs	0.29	0.24	0.17	0.19	0.16	0.22	0.20
2'x4' w/insulation	D-5	9.7lbs	0.41	0.27	0.19	0.17	0.15	0.25	0.20
2'x4' w/insulation	E-400	9.7lbs	0.32	0.26	0.21	0.18	0.17	0.29	0.20
4'x4'	D-5	15lbs	0.27	0.22	0.10	0.09	0.14	0.19	0.15
4'x4'	E-400	15lbs	0.26	0.18	0.10	0.11	0.15	0.18	0.15
4'x4' w/insulation	D-5	17.5lbs	0.44	0.31	0.13	0.09	0.14	0.21	0.15
4'x4' w/insulation	E-400	17.5lbs	0.31	0.26	0.14	0.12	0.15	0.23	0.15
4'x8'	D-5	33.7lbs	0.22	0.16	0.08	0.07	0.13	0.14	0.10
4'x8'	E-400	33.7lbs	0.20	0.15	0.09	0.09	0.17	0.29	0.15
4'x8' w/insulation	D-5	39lbs	0.24	0.25	0.12	0.11	0.10	0.14	0.15
4'x8' w/insulation	E-400	39lbs	0.18	0.18	0.12	0.10	0.14	0.19	0.15

Note: Diffusion data available upon request