



Application

Acoustic Design of America Curved Ceiling Clouds are designed as an accent element in areas requiring acoustical absorption or reflection. Clouds are manufactured with an unpainted or painted finish.

Construction

Panels are custom-curved with a 6-7 PCF glass fiberboard core, laminated face and back with a 1/8" molded fiberglass board for absorptive clouds. Reflective clouds are face laminated with a solid co-polymer sheet to provide a reflective surface.

Size Availability

Available thicknesses are 1-1/4" and 2-1/4". Standard cloud size is 4' x 8'. Minimum curvatures are 10" radius with other radius and sizes available upon request.

Edge Design

All edges are square and resin hardened.

Finish

The Curved Ceiling Cloud units are typically provided with paint ready surfaces for onsite application. Factory painted finish white is the standard color with custom colors available upon request.

Mounting

Acoustical anchors are applied onsite by customer/contractor, to factory-marked resin spots providing anchor points for wire or cable (provided by others). Panels up to 48" x 75" require 4 anchors; for larger panels it is recommended to consult factory for instructions.

T-grid field attached to factory-marked resin spots provides an alternate attachment for wire or cable (provided by others). Use of T-grid can sometimes reduce the number of wires or cables required.

Acoustical Performance

Curved Ceiling Clouds provide excellent acoustical performance in both absorptive and reflective applications.

Absorptive Cloud NRC: 1-1/4" 0.90

Reflective Cloud Data:

f (Hz)	Diffusion	Scattering (c)	Absorption
100	-0.01	0.02	0.18
200	0.02	0.08	0.14
400	0.09	0.18	0.09
500	0.12	0.24	0.11
800	0.22	0.46	0.10
1000	0.22	0.59	0.11
1250	0.24	0.70	0.12
1600	0.23	0.78	0.13
2000	0.26	0.85	0.15
4000	0.00	0.00	0.14

Fire Performance

Each component has been tested according to ASTM E 84* and has Class I/A rating.

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