



SPEC DATA SHEET # ACS-100

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ACS-100

ACOUSTIC CURTAIN SYSTEMS

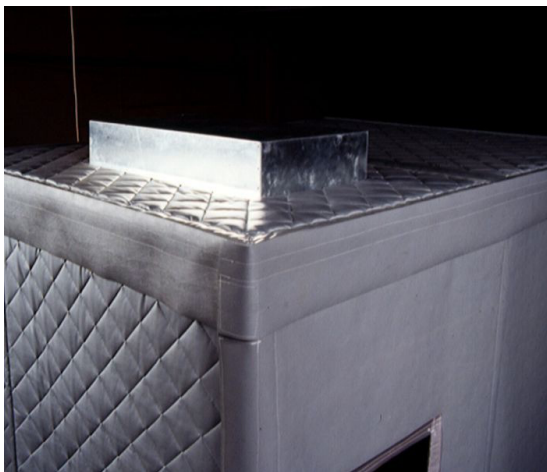
Our acoustical curtain systems offer an effective, economic method of noise reduction in a wide variety of industrial, architectural, community and OEM noise control applications. Acoustical Curtain Systems can be configured to create total enclosures, partial enclosures, hoods or shrouds, barrier walls and divider partitions.

A wide variety of Industrial Acoustical Curtain Panels and curtain support framing options are available from Oelex to meet any requirements.



Acoustical Curtain Enclosures:

- Modular panels join together to form any configuration required
- A variety of framing systems available
- Double track systems for slide-by access
- View windows for visibility
- Optional roof panels for maximum noise reduction
- Intake and exhaust ventilation baffles available



FEATURES:

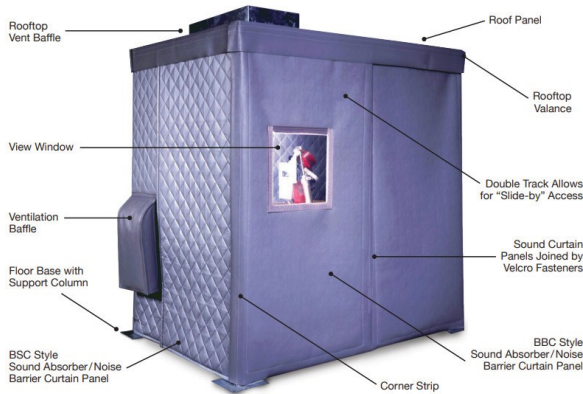
- Curtain system models are offered in various styles for optimum solution of application's requirements
- Durable constructions for long service life in severe industrial conditions
- Quick access to machinery and equipment for operation and maintenance
- Roof Panels and ventilation systems available when required
- Economical alternative to rigid acoustical panel systems
- Washable and steam cleanable component materials
- Fire safe and low smoke emissions per ASTM E-84, Class 1: Per ASTM E-162, ASTM E-662
- High actual noise reduction up to 25 dB(A)
- Easily installed, relocated or modified
- Custom engineered systems for any application
- View windows for visibility





Intelligent Acoustic Solutions

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FINISHES:

The most effective noise reduction products combine both sound absorption and noise barrier properties. Tested under strict compliance to appropriate ASTM standards, we offer the following results:

Sound Transmission Loss (dB) per Octave Band Frequency

Sound Seal Model #	THK.	WT.	125	250	500	1000	2000	4000	STC
BBC-13-2"	2"	1.5	13	20	29	40	50	55	32
BBC-13	1"	1.3	11	16	24	30	35	35	27
BBC-13-2LB-2"	2.5"	2	19	25	33	46	53	58	37
BSC-25	2"	1.5	12	16	27	40	44	43	29
BSC-25-2LB	2"	2.5	19	22	28	40	56	61	33
BB-RP Roof Panel	2"	2	18	24	28	37	45	46	31

Per ASTM E 90

Sound Absorption Data:

Absorber Component Random Incident Sound Absorption Octave Band Center Frequencies (Hz)

Product	THK.	125	250	500	1000	2000	4000	NRC
BBC	1"	.12	.47	.85	.84	.64	.62	.70
BBC	2"	.07	.27	.96	1.13	1.08	.99	.85
BSC	2"	.45	.96	.87	.66	.47	.30	.75
BBC	4"	.21	.89	1.09	1.17	1.13	1.07	1.05

Per ASTM C 423

Flammability Ratings

Product	Descriptor	Flame Spread	Smoke Developed
Vinyl faced BSC-25	1" quilted fiberglass on both sides of a 1 lb. PSF non-reinforced loaded vinyl barrier septum	23	30
BSC-26	Silicone faced 1" quilted fiberglass on both sides of a 1 lb. PSF non-reinforced noise barrier septum	4	19
BSC-24	Scrim faced 1" quilted fiberglass on both sides of a 1 lb. PSF non-reinforced noise barrier septum	5	1
BBC-13-2"	Vinyl faced 2" quilt on one side of a 1 lb. reinforced loaded vinyl noise barrier	23	12
BBC-13	Vinyl faced 1" quilt on one side of a 1 lb. reinforced loaded vinyl noise barrier	23	30

Left table shows flame spread and smoke developed ratings per ASTM Designation E84; Surface Burning Characteristics of Building Materials. Note: Class A rating applies to products with a flame spread index of 25 or less, and a smoke developed index of 450 or less.

Additional products tested to ASTM E 162 and ASTM E 662, test reports available on request.

