



STC 13 ACOUSTIC CURTAIN

SPEC AND DATA SHEET

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The STC 13 Acoustic Curtain is a lightweight sound isolation curtain designed to provide moderate noise reduction and sound blocking in environments where flexibility, ease of installation, and cost efficiency are priorities. Engineered with a multi-layer acoustic construction, this soundproof curtain reduces airborne noise transmission while also contributing to sound absorption and reverberation control.

This model is ideal for applications requiring basic sound attenuation, noise separation, and temporary or movable noise control solutions.

ACOUSTIC PERFORMANCE

- Sound Transmission Class (STC): 13
- Noise Reduction: Reduces airborne noise by approximately 10–13 dB, depending on installation and environment
- Sound Control Function:
 - Sound blocking
 - Noise dampening
 - Sound absorption
- Test Standard: ASTM E90 / ASTM E413 (laboratory tested)
- Performance Type: Moderate sound isolation curtain for light-to-medium noise environments

CONSTRUCTION & MATERIALS

The STC 13 soundproofing curtain features a durable, multi-layer design engineered to balance performance and flexibility:

- Outer Layer: Heavy-duty, acoustically transparent fabric
- Core Layer: Sound-insulating barrier material for noise blocking
- Inner Layer: Sound absorbing textile for noise reduction and echo control
- Design: Flexible curtain system allowing movement without compromising acoustic performance

This construction makes it an effective sound deadening curtain and noise reducing drape for a variety of environments.

KEY FEATURES

- STC 13-rated soundproof curtain for moderate noise control
- Multi-layer acoustic curtain system
- Effective as noise blocking curtains and sound dampening drapes
- Lightweight and flexible for easy handling
- Compatible with rod or track mounting systems
- Custom sizing available
- Optional fire-rated fabrics
- Low-maintenance and durable materials

APPLICATIONS

The STC 13 Acoustic Curtain is well-suited for:

- Office partitions and conference areas
- Classrooms and training rooms
- Light industrial environments
- AV rooms and media spaces
- Restaurants and hospitality venues
- Temporary noise separation zones
- Maintenance and service areas

It is commonly used as noise filtering curtains, sound reducing drapes, and sound isolation curtains where higher STC ratings are not required.

INSTALLATION GUIDELINES

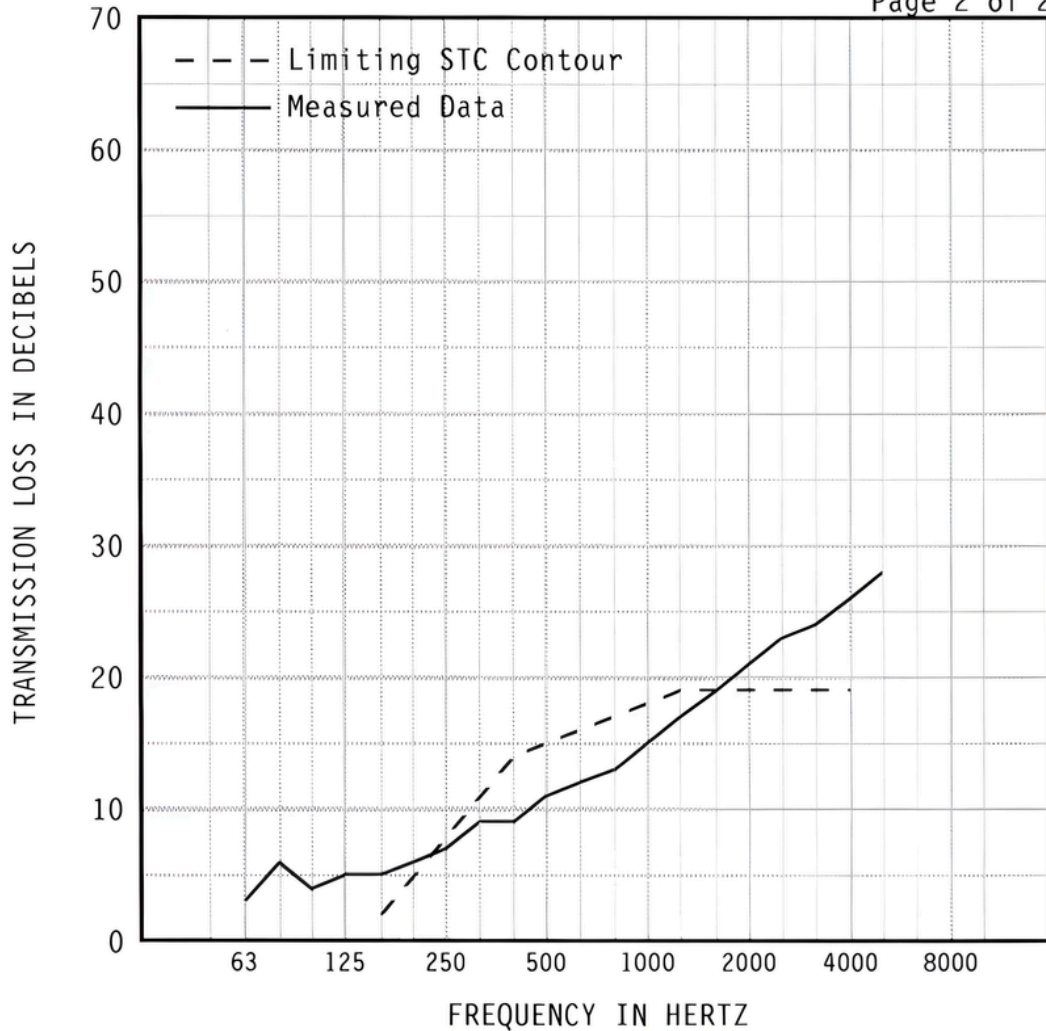
- Mounts easily to ceiling tracks or rods
- Recommended overlap at seams for improved sound blocking
- Can be deployed as fixed, sliding, or retractable curtains
- Installation method directly impacts acoustic performance

LIMITATIONS & NOTES (IMPORTANT FOR SPEC SHEETS)

- STC 13 curtains are not intended for high-noise industrial environments
- Performance depends on proper installation and surrounding construction
- Designed for airborne noise, not structural vibration

WESTERN ELECTRO-ACOUSTIC LABORATORY

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1/3 OCT BND CNTR	FREQ	63	80	100	125	160	200	250	315	400	500
TL in dB		3	6	4	5	5	6	7	9	9	11
95% Confidence in dB deficiencies		1.42	1.92	2.07	1.47	0.89	0.76	0.80	0.52	0.36	0.38
								(1)	(2)	(5)	(4)
1/3 OCT BND CNTR	FREQ	630	800	1000	1250	1600	2000	2500	3150	4000	5000
TL in dB		12	13	15	17	19	21	23	24	26	28
95% Confidence in dB deficiencies		0.29	0.44	0.38	0.39	0.36	0.56	0.55	0.31	0.32	0.50
		(4)	(4)	(3)	(2)	(0)					

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Specimen Area: 25.67 sq.ft.
 Temperature: 72.5 deg. F
 Relative Humidity: 52 %
 Test Date: 15 June 2011

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