

BBC-SERIES NOISE BARRIERS/SOUND ABSORBER COMPOSITES

BBC-13 Noise Barrier/Sound Absorber Composite

dB Engineering's BBC-13 offers the benefits of a noise barrier and a sound absorber. The BBC-13 consists of a reinforced 1-lb psf loaded vinyl noise barrier bonded to a 1" fiberglass that is quilted with a vinyl-coated-fiberglass-cloth facing. Curtain panels are constructed with grommets across the top and Velcro along the vertical edges. Rolls are available 54" wide x 25' long and can be supplied with edges bound or unbound.

- Class A flammability rated per ASTM E84
- Available facing colors: gray, tan, or black
- Available barrier colors: gray, tan, blue or olive



Applications:

Typically used as modular curtain panels in acoustical curtain enclosures where abuse resistance and excellent durability is required. Also used as sliding acoustical doors, durable acoustical jacket on fans or as sound curtain panels on outdoor construction projects. This composite material absorbs sound within an enclosed space and reduces the transmission of noise from that space.

Product Data:

Description	Vinyl coated fiberglass cloth facing quilted on 1" fiberglass/ 1lb-psf reinforced loaded vinyl barrier
Flammability	Flame Spread: 23.0 Smoke density: 30.0
Nominal thickness	1.0 inch
Temperature range	-20° to +180° F
Standard Roll size	54" wide x 25' long
Weight	1.22 lbs. psf

Acoustical Performance:

Sound Transmission Loss

Product	OCTAVE BAND FREQUENCIES (Hz)						STC
	125	250	500	1000	2000	4000	
BBC-13	11	16	24	30	35	35	27

ASTM E-90 & E 413

Sound Absorption Data

Product	OCTAVE BAND FREQUENCIES (Hz)						NRC
	125	250	500	1000	2000	4000	
BBC-13	.12	.47	.85	.84	.64	.62	.70

ASTM C 423