



Trademark
SOUNDPROOFING

Door and Window Sound Barrier

Material Data Sheet (BSC-25)



The barrier septum configuration offers the benefits of both sound absorbers and noise barriers. BSC-25 consists of a non-reinforced 1 LB / sq ft loaded vinyl noise barrier sandwiched between two layers of 1" thick acoustical fiberglass sound absorbers, each quilted with a vinyl-coated-fiberglass-cloth facing.

Applications

Typical uses include as acoustical curtain panels in acoustical curtain enclosures, as a free-hanging noise barrier/sound absorber composite wall, and as divider partitions between noise sources. BSC-25 products are commonly used to line the walls and/or ceiling of a mechanical room or building to reduce noise levels both inside and outside of the room / building.

Product Data

- **Fire Rating:** Class A (or I) flammability rated per ASTM E84
- Flame Spread: 22.78
- Smoke Density: 30.56
- **STC Rating:** 29
- **NRC Rating:** .75
- **Nominal Thickness:** 2"
- **Temperature Range:** -20F to +180F
- **Weight:** 1.43 LB / sq ft

Acoustical Performance

Sound Transmission Loss

Product	OCTAVE BAND FREQUENCIES (Hz)						STC
	125	250	500	1000	2000	4000	
BSC-25	12	16	27	40	44	43	29

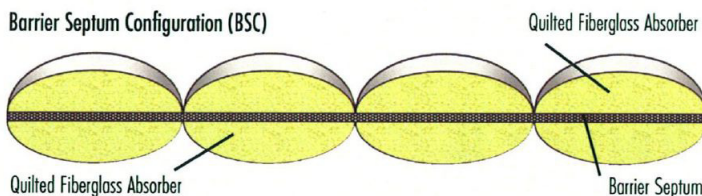
ASTM E-90 & E 413

Sound Absorption Data

Product	OCTAVE BAND FREQUENCIES (Hz)						NRC
	125	250	500	1000	2000	4000	
BSC-25	.45	.96	.87	.66	.47	.30	.75

ASTM C 423

Cross Section of Material



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