

**BSC-SERIES**

NOISE BARRIERS/SOUND ABSORBER COMPOSITES

***BSC-24 Noise Barrier/Sound Absorber Composite***

The barrier septum configuration offers the benefits of both sound absorption and noise barrier in one product. A non-reinforced 1-lb psf loaded vinyl barrier is sandwiched between two layers of 1" thick quilted fiberglass sound absorbers. When tested to ATSM E84, the composite has a **Class 1 or A** flammability rating, and is commonly used in plenums.

- Rolls are available 4' wide up to 25' long
- Available die-cut to 2' x 4' to lay on top of standard ceiling tiles
- Hi-temp, economy Scrim facing on both sides



**Applications:**

Typical uses include lining stud cavity of staggered stud drywall wall construction, or laid on top of ceiling tiles to improve transmission loss. Also may be suspended from roof deck to drywall to close gaps between rooms to prevent noise flanking over the top of the partition wall. Also used over existing walls in mechanical rooms or similar.

**Product Data:**

<b>Description</b>	1" scrim faced quilted fiberglass/ 1LB-psf non-reinforced loaded vinyl barrier/ 1" scrim faced quilted fiberglass
<b>Flammability</b>	Flame Spread: 5.07 Smoke density: .45
<b>Nominal thickness</b>	2.00"
<b>Temperature range</b>	-40° to +240° F
<b>Standard size</b>	48" x 25'
<b>Weight</b>	1.7 LB psf

**Acoustical Performance:**

Sound Transmission Loss

Product	OCTAVE BAND FREQUENCIES (Hz)						STC
	125	250	500	1000	2000	4000	
BSC-24	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-24	.45	.96	.87	.66	.47	.30	.75

ASTM C 423