

**QBS-1 Noise Barrier/Sound Absorber Composite**

The barrier septum configuration offers the benefits of both sound absorbers and noise barriers. NetWell's **QBS-1** consists of a non-reinforced 1-lb psf loaded vinyl noise barrier sandwiched between two layers of 1" thick acoustical fiberglass sound absorbers, each quilted with a vinyl-coated-fiberglass-cloth facing. Blanket panels are constructed with grommets across the top and hook and loop fasteners along the vertical edges. Rolls are available 4' wide up to 25' long and can be either bound or unbound.



- Class A (or 1) flammability rated per ASTM E84
- STC rating 29
- NRC rating .75
- Available colors: gray, white, black, or tan

**Applications:**

Typical uses include acoustical curtain enclosures, as a free-hanging noise barrier/sound absorber wall, and as divider partitions between noise sources. QBS 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:**

<b>Description</b>	Vinyl coated fiberglass cloth faced 1" quilted fiberglass sound absorber/ 1lb-psf non-reinforced loaded vinyl noise barrier/ Vinyl coated fiberglass cloth faced 1" quilted fiberglass sound absorber
<b>Flammability</b>	Class A: Flame Spread: 22.78 Smoke density: 30.56
<b>Nominal thickness</b>	2.00 inches
<b>Temperature range</b>	-20° to +180° F
<b>Standard material width</b>	48 inches
<b>Roll length</b>	25 feet
<b>Weight</b>	1.43 lb psf

**Acoustical Performance:**

**Sound Transmission Loss**

Product	OCTAVE BAND FREQUENCIES (Hz)						STC
	125	250	500	1000	2000	4000	
QBS-1	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	
QBS-1	.45	.96	.87	.66	.47	.30	.75

ASTM C 423

### **QBS-2 Noise Barrier/Sound Absorber Composite**

The barrier septum configuration offers the benefits of both sound absorbers and noise barriers. A non-reinforced 2-lb psf loaded vinyl noise barrier is sandwiched between two layers of quilted fiberglass absorbers. Sound blanket panels are constructed with grommets across the top and hook and loop fasteners along the vertical edges. Rolls are available 4' wide up to 25' long and with either bound or unbound edges.



- Class A Flammability Rated per ASTM E84
- STC rating 33; NRC rating 0.75
- Available colors: gray, white, black, or tan

### **Applications:**

Typical uses include acoustical curtain enclosures, as a free-hanging noise barrier/sound absorber wall, and as divider partitions between noise sources. QBS 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:**

<b>Description</b>	1" vinyl faced quilted fiberglass / 2LB-psf non-reinforced loaded vinyl barrier / 1" vinyl faced quilted fiberglass
<b>Nominal thickness</b>	2 inches
<b>Temperature range</b>	-20° to +180° F
<b>Standard roll size</b>	48" x 25'
<b>Weight</b>	2.5 LB psf

### **Acoustical Properties:**

#### Sound Transmission Loss

Product	OCTAVE BAND FREQUENCIES (Hz)						STC
	125	250	500	1000	2000	4000	
QBS-2	19	22	28	40	56	61	33

ASTM E-90 & E 413

#### Sound Absorption Coefficients

Product	OCTAVE BAND FREQUENCIES (Hz)						NRC
	125	250	500	1000	2000	4000	
QBS-2	.18	.62	.89	.84	.60	.45	.75

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