



# Acoustical Surfaces, Inc.

**SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS**

123 Columbia Court North • Suite 201 • Chaska, MN 55318

(952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: [sales@acousticalsurfaces.com](mailto:sales@acousticalsurfaces.com)

Visit our Website: [www.acousticalsurfaces.com](http://www.acousticalsurfaces.com)

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**We Identify and **S.T.O.P.** Your Noise Problem**

## EXT

### SOUND CURTAINS



- Soundproofing Products • Sonex™ Ceiling & Wall Panels • Sound Control Curtains • Equipment Enclosures • Acoustical Baffles & Banners • Solid Wood & Veneer Acoustical Ceiling & Wall Systems
- Professional Audio Acoustics • Vibration & Damping Control • Fire Retardant Acoustics • Hearing Protection • Moisture & Impact Resistant Products • Floor Impact Noise Reduction
- Sound Absorbers • Noise Barriers • Fabric Wrapped Wall Panels • Acoustical Foam (Egg Crate) • Acoustical Sealants & Adhesives • Outdoor Noise Control • Assistive Listening Devices
- OSHA, FDA, ADA Compliance • On-Site Acoustical Analysis • Acoustical Design & Consulting • Large Inventory • Fast Shipment • No Project too Large or Small • Major Credit Cards Accepted



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**We Identify and S.T.O.P. Your Noise Problem**



**EXT SOUND CURTAINS  
PROVIDE 2-WAY PROTECTION**

1. **Block** construction noise so project site is neighborhood-friendly
2. **Absorb** sound so it does not bounce-back noise to job site like concrete barriers or plywood

**DISTRIBUTION CENTER**

**Situation:** Noise from truck engine idle

**EXT Solution:** QFA-EXT-2"-D sound absorption panels, in straight-stitch panel installed to reduce noise



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## We Identify and **S.T.O.P.** Your Noise Problem

### BBC-EXT-R-2"

Exterior Noise Barrier/  
Sound Absorber Composite

Long - Term, Permanent

BBC-EXT-R-2" offers the benefits of both a noise barrier and a sound absorber composite in one product for outdoor applications. This barrier backed product consists of an exterior grade, UV resistant heavy-duty faced quilted fiberglass absorber bonded to a one-pound per sq. ft. reinforced loaded vinyl barrier. The heavy-duty facing is a 10 oz. per sq. yd. vinyl-coated-polyester (VCP) quilted to the sound absorber rather than the standard 4.5 oz. facing. Curtain panels are constructed with grommets across the top and bottom and exterior grade Velcro seals along the vertical edges, and are sewn with Gore Tenara exterior grade thread.

- STC 32 Rating, NRC .85
- Available facing colors on quilt: gray, tan, black
- Available barrier colors: gray, tan, olive drab or blue



#### Applications:

Typically used as modular curtain panels on long-term construction projects or permanent outdoor applications such as enclosing HVAC equipment, dust collectors or similar machinery behind a manufacturing plant where UV and abuse resistance as well as maximum durability, longevity and noise reduction is required. Also available with a one-inch thick quilted fiberglass absorber, or with a two-pound per sq. ft. reinforced barrier.

#### Product Data:

Description	Vinyl coated polyester facing on 2" quilted fiberglass/1 Lb-psf reinforced loaded vinyl barrier
Nominal thickness	2.0 inches
Temperature range	-20° to +180° F
Standard panel width	54" wide, lengths as required up to 20 high
Weight	1.45 Lb psf



#### Acoustical Performance:

##### Sound Transmission Loss

Octave Band Frequencies (Hz)							
Product	125	250	500	1000	2000	4000	STC
BBC-EXT-R-2"	13	20	29	40	50	55	32

ASTM E-90 & E 413

##### Sound Absorption Performance

Octave Band Frequencies (Hz)							
Product	125	250	500	1000	2000	4000	NRC
BBC-EXT-R-2"	.07	.27	.96	1.13	1.08	.99	.85

ASTM C 423



Both "R" and "N" style sound curtains are available with 1.0 inch or 2.0 inch

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***We Identify and S.T.O.P. Your Noise Problem***

**Block Sound  
Outside**

**Absorb Sound  
Inside**



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## BBC-EXT-N

**Exterior Noise Barrier/  
Sound Absorber Composite**

**Short - Term, Temporary**

The barrier-backed EXT-N style sound curtain offers the benefits of both sound absorption and noise barrier products in one for outdoor applications. A cost saving non-reinforced 1-Lb psf loaded vinyl barrier is bonded to a 1" thick exterior grade vinyl-coated-polyester faced quilted fiberglass absorber. These economic modular sound curtains are typically constructed with grommets across the top and bottom, and exterior grade Velcro seals along the vertical edges.

- STC rating 27
- NRC rating 0.70
- Available facing colors on absorber side: gray, tan, or black
- Barrier color: black

### Applications:

Typically used as an economic Sound Curtain on temporary construction projects with a 3-5 year life span. The exterior grade VCP facing is specifically formulated for outdoor applications. Composite products offer maximum noise reduction by both blocking and absorbing noise at job sites. Also available with a 2" thick sound absorber

### Product Data:

Description	1" Heavy Duty VCP faced quilted fiberglass bonded to a 1 Lb/SF non-reinforced loaded vinyl barrier
Nominal thickness	1.0 inches
Temperature range	-20° to +180° F
Standard width	54"
Weight	1.2 Lb/SF



### Acoustical Data

#### Sound Transmission Loss

Product	Octave Band Frequencies (Hz)						STC
	125	250	500	1000	2000	4000	
BBC-EXT-N	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-EXT-N	.12	.47	.85	.84	.64	.62	.70

ASTM C 423



thick quilted fiberglass absorbers, and 1.0 Lb or 2.0 Lb psf noise barriers.

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## We Identify and **S.T.O.P.** Your Noise Problem



EXT has become a New York City accepted product...call us to see how EXT can provide the sound barrier solution your city or town may require to comply with local noise ordinances.

**EXT Sound Curtains are available in two styles for outdoor applications. Long-term, permanent ("R" style) and short-term, temporary ("N" style) modular sound curtains both offer noise control that's simple, cost effective, and they work.**

- Reduce outdoor construction and/or community noise
- High actual noise reduction up to 20 dB(A)
- Economical alternative to rigid acoustical panel systems
- Easily installed, relocated, or modified

**Flexible configurations to suit your needs for easy set-up, easy maneuverability.**

- Custom engineered systems for any application
- Durable and washable
- A variety of colors
- Designs blend with landscape

**EXT Sound Curtains help you get the job done without hassle and on time.**

- Comply with city noise codes
- Avoid litigation from neighbors
- End costly delays and work stoppages due to noise
- Expedite options ship in one week or less



**EXT SOLUTIONS AT WORK**



### BOSTON'S BIG DIG

**Situation:** Noise control measures specified by engineers

**EXT Solution:** 10 dB(A) noise reduction; modular panels moved as project progressed



### NEW YORK CITY

**Situation:** Contractor must comply with NYC Noise Ordinance before project may proceed

**EXT Solution:** BBC EXT Sound Curtains installed around job site



### INDIANAPOLIS, IN

**Situation:** Dust collector behind manufacturing facility creating neighborhood noise problem

**EXT Solution:** BBC-EXT-R -2" Sound Curtains installed on chain link fence offers long term effective noise reduction of 15 dB(A)



### CALPINE CALIFORNIA NATURAL GAS, SACRAMENTO, CA

**Situation:** Neighborhood noise, restricted work hours; high winds

**EXT Solution:** BBC-EXT Sound Curtains installed on engineer certified steel tube frame yields 16 dB(A) noise reduction