EXTERIOR GRADE
NOISE CONTROL

SHAVER INDUSTRIES INC.

SOFT-WALL & MACHINE PROTECTION SOLUTIONS

www.shaverinc.com

PERMANENT STYLE
Most Durable - Long-term Sound Curtains
BBC-EXT-R AND BBC-EXT-R-2”

BBC-EXT-R AND EXT-R-2” PANELS offer the benefits of both a noise barrier and a sound absorber composite in one product for long-term/permanent, outdoor applications. This barrier-backed product consists of an exterior grade, UV resistant heavy duty VCP faced quilted fiberglass absorber bonded to a one-pound per sq.ft. reinforced loaded vinyl noise barrier. Modular curtain panels are constructed with grommets across the top and bottom, and exterior grade Velcro seals along the vertical edges. Panels are sewn with an exterior grade thread. This product is also available in roll form with edges bound or unbound.

SHAVER INDUSTRIES INC.
SOFT-WALL & MACHINE PROTECTION SOLUTIONS

FEATURES:

- 1 lb. psf. reinforced MLV
- Wind Load up to 140 mph
- 1” thick or 2” thick quilted fiberglass sound absorber
- Maximum durability in all weather conditions.
- Available quilt colors: gray, tan, black or off-white
- Available barrier colors: gray, tan or black
- **Acoustical Rating:**
  EXT-R: 1” STC 29, NRC .65
  EXT-R-2: 2” STC 38, NRC .75

APPLICATIONS:

- HVAC Equipment, Chillers
- Compressors, Generators
- Dust Collectors
- Shredders, Pumping Stations

SPECIFICATIONS:

- VCP faced 1” or 2” quilted fiberglass reinforced vinyl noise barrier.
- 1 lb. psf. reinforced MLV
  (Also available in 2 lb. psf. reinforced MLV upon request)
- Nominal thickness 1.0/2.0 inches
- Temperature range -20° to +180° F
- Standard panel width: 54” wide, lengths up to 20’.
- Standard roll width: 54” wide, 25’ long
- **Approximate Weight:**
  EXT-R: 1.2 lb. psf.
  EXT-R-2”: 1.4 lb. psf.

SEE BACK COVER FOR ACOUSTICAL PERFORMANCE DATA

MOST SPECIFIED
Most Popular - Temporary Sound Curtains BBC-13X AND BBC-13X-2”

BBC-13X AND 13X-2 PANELS **are our most widely used panels. They combine the benefit of both Noise Barrier (Rated in STC) and Sound Absorber (Rated in NRC) in one product.** This product consists of a two-inch thick vinyl-coated-fiberglass-cloth faced quilted fiberglass absorber that is bonded to a one-pound per sq. ft. reinforced loaded vinyl noise barrier. “X” style Sound Curtain panels are constructed with **grommets across the top and bottom,and exterior grade Velcro seals** along the vertical edges.

FEATURES:

- Most versatile temporary construction noise barrier
- Class A flammability rated per ASTM E- 84
- 1 lb. psf. reinforced VCF
- Fabricated with grommets across top and bottom and exterior grade Velcro seams along edges.
- Available quilt colors: gray, tan, black or off-white
- Available barrier colors: gray, tan or black
- **Acoustical Rating:**
  13X: 1" STC 27, NRC .70
  13X-2: 2" STC 32, NRC .85

APPLICATIONS:

With a minimum life span of 5 years* in the harshest environments, this product is typically used as a temporary noise barrier on outdoor applications such as construction site noise mitigation projects. **BBC-13X-2" has been a recommended, specified and approved product to comply with the New York City Noise Ordinance Code.**

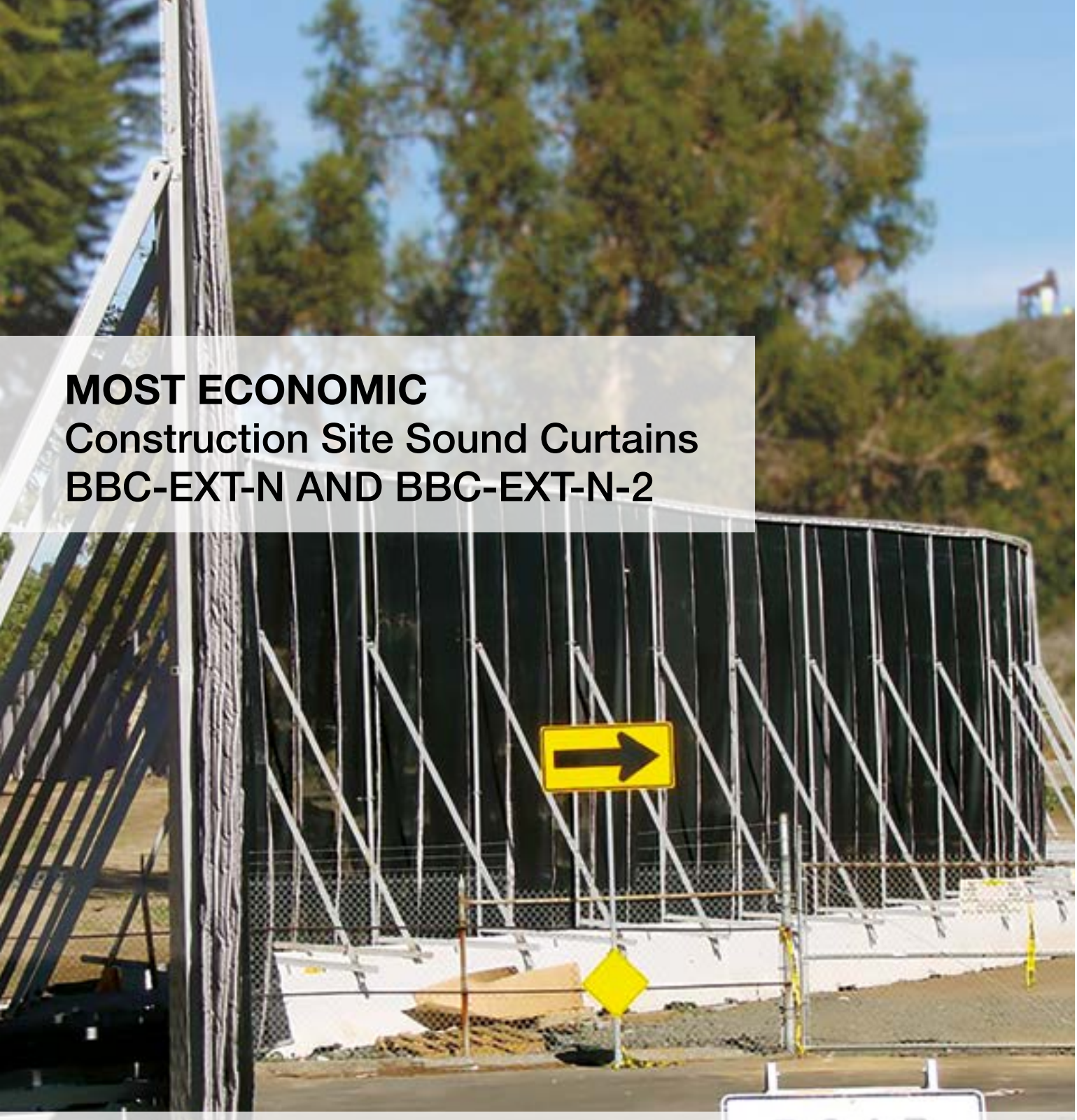
TYPICALLY INSTALLED ON:

- Chain Link Fences
- Wooden Support Structures
- Jersey Barriers

SPECIFICATIONS:

- VCF facing on 1" or 2" quilted fiberglass/1 lb-psf reinforced loaded vinyl noise barrier
  (Also available in 2 lb. psf. reinforced VCF upon request)
- Class A ASTME-84 (Flame 23, Smoke 30)
- Nominal thickness 1.0/2.0 inches
- Temperature range -20° to +180° F
- Standard panel width: 54" wide, lengths up to 20'.
- Standard roll size 54" wide x 25' long
- **Approximate Weight:**
  13X: 1.2 lb. psf.
  13X-2: 1.45 lb. psf.

SEE BACK COVER FOR ACOUSTICAL PERFORMANCE DATA



MOST ECONOMIC
Construction Site Sound Curtains
BBC-EXT-N AND BBC-EXT-N-2

BBC-EXT-N and BBC-EXT-N-2 combine a money saving, non-reinforced noise barrier with UV and tear resistant exterior grade faced quilted fiberglass sound absorbers. The barrier-backed EXT-N and EXT-N-2 style sound curtain offers the benefits of both sound absorption and noise barrier products in one for outdoor applications. A non-reinforced 1-LB or 2-LB psf. loaded vinyl barrier is bonded to a 1" or 2" thick exterior grade vinyl-coated-polyester faced quilted fiberglass absorber. Curtain panels are constructed with grommets across the top and bottom, and exterior grade Velcro seals along the vertical edges. The product is also available in roll form with edges bound or unbound.

FEATURES:

- 1 lb. psf. **non-reinforced** MLV
- 1” or 2” thick exterior grade VCP faced quilted fiberglass absorber
- **Acoustical Rating:**
  EXT-N: STC 29, NRC .65
  EXT-N-2: STC 33, NRC .75

APPLICATIONS:

Typically used as an economic Sound Curtain on temporary construction projects, 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.

TYPICALLY INSTALLED ON:

- Temporary Fencing
- Scaffolding

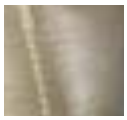
SPECIFICATIONS:

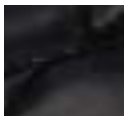
- 1” or 2” thick VCP faced quilted fiberglass bonded to a 1 LB/SF **non-reinforced** loaded vinyl barrier
- Nominal thickness 1.0/2.0 inches
- Temperature range -20° to +180° F
- Standard panel width: 54” wide, lengths up to 12’.
- Standard roll size 54” wide x 25’ long
- **Approximate Weight:**
  EXT-N:1.25 lb. psf
  EXT-N-2: 1.45 lb. psf

SEE BACK COVER FOR ACOUSTICAL PERFORMANCE DATA

BBC-EXT FACING COLOR

Gray


Tan


Black

White

EXTERIOR SOUND ABSORBERS
QFA-EXT-D-2

QFA-EXT-D-2 PANELS **feature our UV and tear resistant exterior** grade faced quilted fiberglass sound absorber sewn with a Gore Tenera thread.

FEATURES:

- 2” thick
- Exterior grade facing on both sides
- Superior UV resistance
- **Acoustical Rating: STC 21, NRC .75**

APPLICATIONS:

Exterior Grade faced quilted fiberglass absorbers are used to reduce reverberant noise on outdoor noise sources such as enclosing HVAC equipment, dust collectors or similar.

TYPICALLY INSTALLED ON:

- Brick or Masonry Wall Structures
- Solid Wood Fences

SPECIFICATIONS:

- Vinyl Coated Polyester (VCP) facing / 2” fiberglass batt Vinyl Coated Polyester (VCP) facing
- Nominal thickness 2.0 inches
- Temperature range -40° to +180° F
- Panel or Roll size 48” wide x 25’ long, bound or unbound
- **Weight 0.50 lb. psf**

SEE BACK COVER FOR ACOUSTICAL PERFORMANCE DATA

SHAVER INDUSTRIES INC.

SOFT-WALL & MACHINE PROTECTION SOLUTIONS

EXTERIOR SOUND CURTAINS AND ABSORBERS At Work

FORD AMPHITHEATER AT CONEY ISLAND BOARDWALK

BROOKLYN, NY

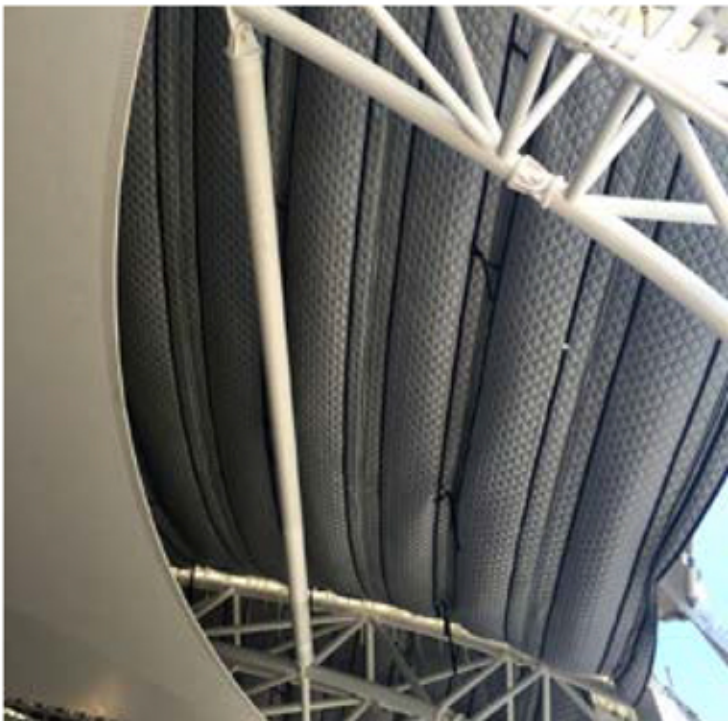
Ford Amphitheater at Coney Island Boardwalk, the cornerstone of the state-of-the-art Seaside Park and Community Arts Center, is a new outdoor live entertainment venue that opened in July of 2016. The 5,000-seat covered open-air venue – the first of its kind in the Tri-State area – will host a mix of concerts, family shows, sports, comedy, and multicultural events. While this was an exciting addition to Coney Island, many concerns were raised early on regarding noise issues. This was an exciting addition to Coney Island, many concerns were raised early on regarding noise issues.

A New York City based contractor reached out with the complex and complicated opportunity to solve the noise concerns surrounding this project. The solution proposed had to be lightweight but also carry high acoustical ratings and a Class A flammability rating. This posed quite a challenge on the acoustical side as typically, the heavier the substrate, the better acoustical performance achieved.

Based on the requirements of the project, we proposed a custom fabricated composite solution. To get around the weight concern without compromising acoustics, recommended a 1/2lb, high strength reinforced barrier, combined with a 2 inch thick quilted fiberglass. With this proposed solution, the STC 26 and NRC .85 acoustical ratings would be met.

Adding to the complexity, was the design of the venue. Due to the shape of the structure, **a total of 300 panels, totaling 60,000 square feet of material, had to be custom designed and cut into unique shapes to meet the unique needs of the space.** This required over 400 CAD drawings and an extremely high level of manufacturing expertise.

The installation of this project had to be fast and furious based on the opening date of the venue. **We stepped up to the plate and manufactured and delivered. the complete job, close to 300 panels, within 8 weeks from order placement.** Each week, a shipment took place allowing the construction and installation team to follow a tight and demanding install schedule. There were a total of six sections of acoustic paneling, of which, one section per week needed to be installed to stay on schedule. Due to the expedited and seamless delivery from us, the construction team was able to complete the project in the expected time frame of six weeks. **The Ford Amphitheater at Coney Island successfully opened on time without a hitch and with the state of the art acoustics they expected to gain from partnering with us.**



ACOUSTICAL PERFORMANCE DATA

BBC-EXT-R / BBC-EXT-R-2”

SOUND TRANSMISSION LOSS

	OCTAVE BAND FREQUENCIES						
PRODUCT	125	250	500	1000	2000	4000	STC
BBC-EXT-R	15	17	28	40	45	52	29

SOUND ABSORPTION DATA

	OCTAVE BAND FREQUENCIES						
PRODUCT	125	250	500	1000	2000	4000	NRC
BBC-EXT-R	.18	.68	.74	.72	.42	.29	.65

SOUND TRANSMISSION LOSS

	OCTAVE BAND FREQUENCIES						
PRODUCT	125	250	500	1000	2000	4000	STC
BBC-EXT-R-2”	14	20	32	41	42	41	33

SOUND ABSORPTION DATA

	OCTAVE BAND FREQUENCIES						
PRODUCT	125	250	500	1000	2000	4000	NRC
BBC-EXT-R-2”	.45	.96	.87	.66	.47	.28	.75

BBC-13-X/BBC-13-X-2”

SOUND TRANSMISSION LOSS

	OCTAVE BAND FREQUENCIES						
PRODUCT	125	250	500	1000	2000	4000	STC
BBC-13-X	11	16	24	30	35	35	27

SOUND ABSORPTION DATA

	OCTAVE BAND FREQUENCIES						
PRODUCT	125	250	500	1000	2000	4000	NRC
BBC-13-X	.12	.47	.85	.84	.64	.62	.70

SOUND TRANSMISSION LOSS

	OCTAVE BAND FREQUENCIES						
PRODUCT	125	250	500	1000	2000	4000	STC
BBC-13-X-2”	13	20	29	40	50	55	32

SOUND ABSORPTION DATA

	OCTAVE BAND FREQUENCIES						
PRODUCT	125	250	500	1000	2000	4000	NRC
BBC-13-X-2”	.07	.27	.96	1.13	1.08	.99	.85

BBC-EXT-N/ BBC-EXT-N-2”

SOUND TRANSMISSION LOSS

	OCTAVE BAND FREQUENCIES						
PRODUCT	125	250	500	1000	2000	4000	STC
BBC-EXT-N	15	17	28	37	45	52	29

SOUND ABSORPTION DATA

	OCTAVE BAND FREQUENCIES						
PRODUCT	125	250	500	1000	2000	4000	NRC
BBC-EXT-N	.17	.30	.83	.82	.59	.37	.65

SOUND TRANSMISSION LOSS

	OCTAVE BAND FREQUENCIES						
PRODUCT	125	250	500	1000	2000	4000	STC
BBC-EXT-N-2”	14	20	32	41	42	41	33

SOUND ABSORPTION DATA

	OCTAVE BAND FREQUENCIES						
PRODUCT	125	250	500	1000	2000	4000	NRC
BBC-EXT-N-2”	.45	.96	.87	.66	.47	.28	.75

QFA-EXT-D-2”

SOUND TRANSMISSION LOSS

	OCTAVE BAND FREQUENCIES						
PRODUCT	125	250	500	1000	2000	4000	STC
QFA-EXT-D-2”	9	14	19	21	27	34	21

SOUND ABSORPTION DATA

	OCTAVE BAND FREQUENCIES						
PRODUCT	125	250	500	1000	2000	4000	NRC
QFA-EXT-D-2”	.46	.94	.85	.64	.47	.33	.75

SHAVER INDUSTRIES INC.

SOFT-WALL & MACHINE PROTECTION SOLUTIONS