

## BBC-SERIES

### NOISE BARRIERS/SOUND ABSORBER COMPOSITES

#### Spec Data Sheet

#### **BBC-15 Noise Barrier/Sound Absorber Composite**

dB Engineering's BBC-15 offers the benefits of a noise barrier and a sound absorber. It consists of a non-porous scrim facing on a nominally 1" thick quilted fiberglass absorber/decoupler that is bonded to a reinforced 1-lb psf loaded vinyl barrier. Rolls are available 54" wide x 30' long and can be supplied with edges bound or unbound. (Note: barrier is 54" wide, quilt is typically 48" wide for a built-in overlap on adjacent pieces.)

- Class A (or 1) flammability rated per ASTM E84
- Scrim facing
- Our most durable outdoor pipe & duct wrap
- Available barrier colors: gray, tan, blue, or black

#### **Applications:**

Typically used to wrap noisy pipes and ducts to block the noise that transmits through the walls of the pipe or duct as air or other contents move through it as well as to increase the sound absorption in the cavity. The 1" thick quilted fiberglass absorber/decoupler improves low frequency acoustical performance. It is the preferred product to use to wrap pipe and duct in outside environments or when access is required for maintenance or repair.

#### **Product Data:**

<b>Description</b>	Scrim faced 1" thick quilted fiberglass/ 1lb-psf reinforced loaded vinyl barrier
<b>Flammability</b>	Flame Spread: 12.5 Smoke density: 19.5
<b>Nominal thickness</b>	1 inch
<b>Temperature range</b>	-20° to +200° F
<b>Standard width</b>	54" wide
<b>Roll length</b>	30' long
<b>Weight</b>	1.3 lb psf

#### **Acoustical Performance:**

##### Sound Transmission Loss

Product	OCTAVE BAND FREQUENCIES (Hz)						STC
	125	250	500	1000	2000	4000	
BBC-15	11	16	24	30	35	35	27

Per ASTM E-90

##### Sound Absorption Data

Product	OCTAVE BAND FREQUENCIES (Hz)						NRC
	125	250	500	1000	2000	4000	
BBC-15	.12	.47	.85	.84	.64	.62	.70

Per ASTM C-423