

BBC-SERIES

NOISE BARRIERS/SOUND ABSORBER COMPOSITES

BBC-14 Noise Barrier/Sound Absorber Composite

This barrier-backed composite offers the benefits of a noise barrier and a sound absorber and is suitable for outdoor applications. The BBC-14 consists of a silicone coated fiberglass cloth facing on 1" thick quilted fiberglass that is bonded to a reinforced 1-lb psf loaded vinyl barrier. Curtain panels are constructed with grommets across the top and exterior grade Velcro along the vertical edges. Rolls are available 54" wide x 25' long and can be supplied with edges bound or unbound (note: barrier is 54" wide, quilt is held 3" in from each vertical edge, and measures 48")



- Class A (or 1) flammability rated per ASTM E84
- UV resistant for outdoor applications

Applications:

Silicone faced sound absorber/noise barrier composites are typically used to provide maximum noise reduction by blocking or containing noise as well as absorbing sound energy where the product may be subjected to high temperature, sunlight, water or oil. Also used as a high temperature duct wrap, or on an outdoor application where maximum UV resistance is required.

Product Data

Description	Silicone-coated-fiberglass cloth facing on 1" quilted fiberglass/ 1 lb-psf reinforced loaded vinyl barrier
Flammability	Flame Spread: 4.0 Smoke density: 19.0
Nominal thickness	1.08 inch
Temperature range	-90° to + 550° F
Standard width	54" wide
Roll length	25' long
Weight	1.3 lb psf

Acoustical Performance:

Sound Transmission Loss

Product	OCTAVE BAND FREQUENCIES (Hz)						STC
	125	250	500	1000	2000	4000	
BBC-14	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-14	.12	.47	.85	.84	.64	.62	.70

ASTM C 423