



CASCADE AUDIO ENGINEERING
WWW.CASCADEAUDIO.COM

VBLOK VB-3

Category: Sound Barrier

Technical Data Sheet

VB-3 is a multi-layered composite material engineered to provide shock absorption, an acoustic barrier and thermal insulation in a single product. The two isolation layers are constructed of a 1/8" closed cell urethane foam which decouples the core material from the source of vibration (i.e. floorboard, transmission tunnel, spare tire well) and maintain an airspace for thermal insulation. The thin lead center layer is a floating wall, which, because of its high mass and relative thinness, is one of the most effective acoustic barrier materials available. Noise entering the passenger compartment from beneath the vehicle is reflected by this dense lead layer. VB-3 is flexible and moldable and will conform to irregular shapes.



VB-3 is an important member of a specialized family of high performance acoustic products engineered to work together. Consulting with a Cascade Audio Engineering specialist will allow you to select and combine these products to transform your personal space into the ultimate environment.

Benefits:

- Maximum noise reduction with minimum added weight
- Forms easily to irregular shapes for easy installation
- Lead barrier offers EMI / EFI shielding capabilities
- Impervious to moisture and harsh liquids
- Reduced installation time compared to other noise control techniques
- No special tools required to install

Applications:

- Automotive undercarpet
- EMI / EFI shields
- RV generator housings
- Marine engine bays
- Air compressor and machine tool housings

Properties:

Size: VB-3	49" x 72"
VB-3.5	49" x 36"
Color	Black
Thickness (inches)	0.250"
Weight-lbs/sq.ft.	1.0 lbs.
Chemical Type	Nitrile reinforced urethane
Service temp. range	32 - 250 degrees
Thermal insulation (foam)	R4
Flame Resistance (foam)	Meets UL Component Classification 94 FHI
Flame Resistance (composite).....	DOT MVSS302

ACOUSTICAL PROPERTIES

Material	Frequency (Hz)						
	125	250	500	1K	2K	4K	STC
VB-3	18	20	25	32	34	36	30

Installation Instructions Available at www.cascadeaudio.com

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