

SILENCER SHEETS

MoldBlock Media™ Silencers

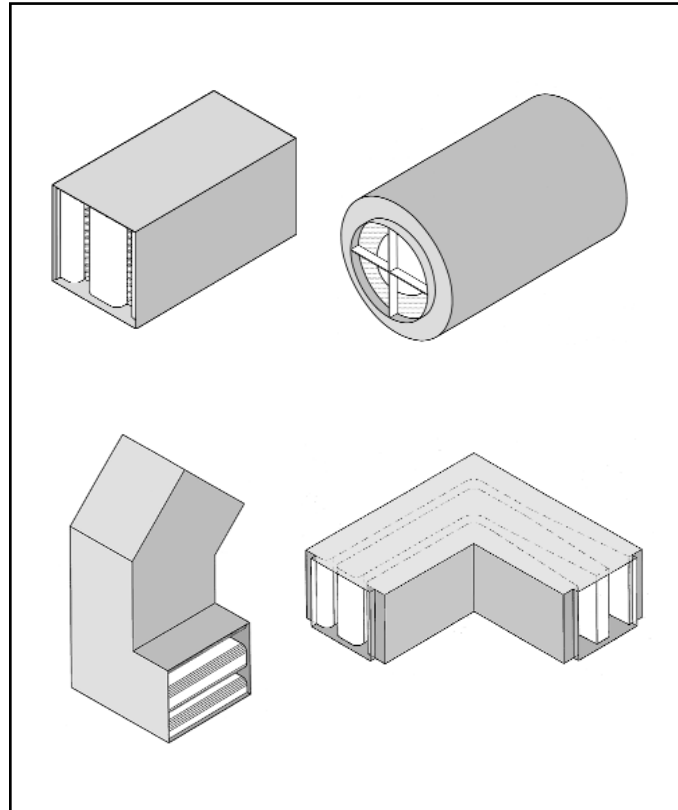
DESCRIPTION

Vibro-Acoustics® MoldBlock Media™ Silencers use a highly effective sound absorption material, MoldBlock Media™, that is inherently resistant to the growth of mold, mildew and fungi. MoldBlock Media™ is an environmentally friendly, Class A building material that is made from 100% natural fiber and does not contain any glass fiber.

MODEL NAMES

Vibro-Acoustics® MoldBlock Media™ Silencers are available in all configurations, including:

CONFIGURATION	MODEL
Rectangular (straight)	RMB
Rectangular Elbow	REMB
Circular	CMB
Transitional	TMB
External Media	EX-RMB, EX-REMB
Axial Cone	AC-MB
Rectangular Low Pressure Drop	RLP-MB
Circular Low Pressure Drop	CLP-MB
Acoustic Plenum	AP-MB
Short Rectangular	SRMB
Acoustical Louver	AL-MB



APPLICATIONS

- ◆ wherever glass fiber is not acceptable in duct and air handling systems
- ◆ as a superior alternative to glass fiber filled silencers whenever mold, mildew or fungi growth is of concern such as in schools, hospitals, office buildings, etc.
- ◆ in supply, return and exhaust ductwork
- ◆ in fan plenums and air handling units (both supply and return)
- ◆ on cooling towers, air cooled chillers, etc.

FEATURES & BENEFITS

- ◆ **Inhibits Microbial Growth:** Every natural fiber used to manufacture MoldBlock Media™ is individually treated with an EPA registered, non-toxic, anti-microbial agent that offers excellent protection from mold, mildew and fungi. Since each fiber is individually treated, secondary manufacturing processes will not disturb or degrade the mold inhibiting qualities that occur when a material is only surface coated.

- ◆ **IAQ Friendly:** MoldBlock Media™ does not produce any harmful airborne particles that can permeate into HVAC systems and the surrounding environment causing health concerns.
- ◆ **No Off-Gassing:** Contains no formaldehydes, phenolic resins or other chemicals that can cause various reactions, irritations and health concerns.
- ◆ **LEED and Green Building Rating System Compatible:** The use of MoldBlock Media™ successfully contributes to earning credits in several of the USGBC's LEED Ratings program criteria.
- ◆ **Environmentally Safe / Friendly:** MoldBlock Media™'s natural fibers are 100% recyclable, reducing landfill waste. The manufacturing process of MoldBlock Media™ requires a minimal amount of energy to manufacture aiding the environment with energy conservation and a reduction in pollution.
- ◆ **Acoustically equivalent to fiberglass:** HVAC silencers and acoustic panels containing MoldBlock Media™ have equivalent acoustical and aerodynamic performance to the same products that utilize fiberglass.

COMPARISON OF FEATURES

FEATURE	MoldBlock Media™	FIBERGLASS
Individual Fibers Treated with Anti-Microbial Agent	YES	NO
Made from Natural Fibers	YES	NO
Mostly Recycled Content	YES	NO
No Off-Gassing or VOC Concerns	YES	NO
Environmentally Friendly	YES	NO
Does Not Contain Formaldehyde	YES	NO
Reduces Indoor Air Quality Issues	YES	NO
Requires Less Energy to Manufacture	YES	NO
No Itch / Irritation	YES	NO

TO SPECIFY (for inclusion in any HVAC silencer or Acoustic Plenum specification)

“Acoustic Media: Media shall be MoldBlock Media™ containing 100% natural cotton fibers treated with an EPA registered, non-toxic borate solution, “flash dried” to actively inhibit the growth of mold, mildew, bacteria and fungi. Media shall not contain any formaldehydes, phenolic resins or Volatile Organic Compounds (VOC’s) that can off-gas and/or cause health concerns. Media shall be 100% recyclable. Media shall comply with UL181 and NFPA 90A. MoldBlock Media™ shall be packed with a minimum of 15% compression during silencer assembly. Media shall not cause or accelerate corrosion of aluminum or steel. Glass fiber and rockwool are not acceptable alternates.”

CAUTIONS/WHEN NOT TO USE MOLDBLOCK MEDIA SILENCERS

- ◆ When absorptive media of any type is not acceptable. For these critical applications consider Vibro-Acoustics® No-Media Silencers which are void of any fibrous material. (No-Media silencers generally have lower insertion loss performance for a given length and pressure drop. Thus longer silencer lengths are usually required to achieve similar acoustic performance.)

PHYSICAL PROPERTIES (of MoldBlock Media™)

PROPERTIES	PERFORMANCE	TEST METHOD
Surface Burning Characteristics (Fire Hazard Classification)	Flame Spread 10 (Class1) Smoke Developed 50 (Class1)	ASTM E 84 UL 723
Corrosion Resistance	Pass	ASTM C 739
Fungi Resistance	Pass – No Growth	ASTM C 739
Bacteria Resistance	Pass – No Growth	ASTM C 739

SILENCER SELECTION

Vibro-Acoustics offers multiple selection methods. For Vibro-Acoustics Full Service complete analysis or to receive your complimentary copy of Vibro-Acoustics V-A Select silencer selection software, call 1-800-565-8401.