PRODUCT SHEET

VIBRO-ACOUSTICS®
A Swegon Group company

MoldBLock Media™

Description

VIBRO-ACOUSTICS® MOLDBLOCK MEDIA™ is ahighly effective sound absorption material that is inherently resistant to the growth of mold, mildew and fungi. It is specially designed for use in HVAC noise control products such as HVAC silencers and acoustic panels. Mol**dBl**ock Media™ is an environmentally friendly, Class A building material that is made from 100% natural fiber and does not contain any glass fiber.

Features and Benefits

> **Inhibits Microbial Growth:** Every natural fiber used to manufacture Mol**dB**lock 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:** Mol**dB**lock Media™ does not produce any harmful airborne particles thatcan 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 Mol**dB**lock Media™ successfully contributes to earning credits in several of the USGBC's LEED Ratings program criteria.

> **Environmentally Safe / Friendly:** Mol**dB**lock Media™'s natural fibers are 100% recyclable, reducing landfill waste. The manufacturing process of Mol**dB**lock 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 Mol**dB**lock Media™ have equivalent acoustical and aerodynamic performance to the same products that utilize fiberglass.

Applications

> For use in HVAC duct silencers and acoustic panels as a superior alternative to glass fiber whenever mold, mildew or fungi growth is of concern such as in schools, hospitals, office buildings, etc. All Vibro-Acoustics silencer configurations and sizes are available using Mol**dB**lock Media™. Vibro-Acoustics models are as follows: RMB, CMB, REMB, TMB, EX-RMB, EX-REMB, AC-MB, AP-MB, SRMB, ALMB and CTMB.

> For 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.)

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

Physical Properties (of MoldBlock Media™)

Properties	Test	Method
Surface Burning Characteristics (Fire Hazard Classification)	Flame Spread 25 (Class 1) Smoke Developed 50 (Class 1)	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 and Location

Vibro-Acoustics offers multiple selection methods. For Vibro-Acoustics Full Service complete analysis, call **1-800-565-8401**.

To Specify (for inclusion in any HVAC silencer or Acoustic Plenum specification)

Acoustic Media: Media shall be Mol**dB**lock 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. Mol**dB**lock 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.