

The Green Products Company

"Building A Greener Tomorrow!"

A DIVISION OF ACOUSTICAL SURFACES, INC.

123 Columbia Court North ■ Suite 201 ■ Chaska, MN 55318
(952) 448-5300 ■ Fax (952) 448-2613 ■ (800) 708-0517

Email: sales@thegreenproductscompany.com
Visit our Website: www.thegreenproductscompany.com



AMBLUE-CORE FLEXIBLE AIR DUCT

GREEN QUALITIES:

- Helps control sound generated by HVAC
- AMBlue - enhanced antimicrobial performance inner core
- Available up to R-8 thermal value

CERTIFICATIONS/ PERFORMANCE RATING

- GREENGUARD Indoor Air Quality Certified
- GREENGUARD Children and Schools Certified
- Resists fungal growth using ASTM E2180 for bacteria and ASTM G21 for mold ~ Agion Technology
- Flexible Air Duct LEED Contribution Letter
- Meets NFPA 90A and 90B and UMC 6-1
- UL-181 Class 1 Air Duct

DESCRIPTION:

The only insulated flexible duct with an inner-core expressly designed to resist microbial growth on the surface of the inner core liner. AMBlue (25'length) flexible air duct is constructed with a unique inner-core of co-extruded blue nylon film with antimicrobial properties integrated into the co-extrusion process. Thermal values of R6 (AMBlueR6) or R8 (AMBlue R8) encompass the inner-core and a metalized reinforced vapor barrier surrounds the entire duct.

Features & Benefits:

- Resists mold fungus growth on the surface of the inner-core material
- Antimicrobial properties integrated into the inner-core film
- Thermal values of R6 or R8
- 10 Year Limited Warranty
- Blue color-coded core for easy identification
- Manufactured with Owens Corning Insulation with Greenguard Certification

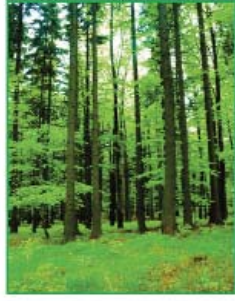
Agion & Natural Silver Antimicrobials:

Agion technology is silver, a naturally occurring and highly effective antimicrobial agent. Silver has long been known for its natural antimicrobial properties. Agion's unique zeolite carrier extends the effective benefits over other antimicrobials. Agion technology is proven to be safe, long lasting with no toxic affects on people, plants or animals.

Accepted Facts:

- If moisture is present in an HVAC system, the potential for mold growth exists. A mold infested HVAC system may lead to large scale remediation and clean up related costs.
- Mold litigation is high profile and large judgments are driving up insurance premiums. Many insurance underwriters "are excluding mold coverage or providing supplemental coverage at higher costs. Specifying "State of the Art" mold resistant materials by builders, building owners, architects, engineers and mechanical contractors can be viewed as one of the best ways to minimize liability.
- Sprays or coatings applied to duct systems can be controversial, as these methods may not ensure coverage of the entire surface area and have the potential to flake off over time or by repeated handling.
- The industry standard mold test for flexible air ducts uses either common bread mold or shower mold. The test simply requires that the mold does not spread significantly beyond the inoculated area.
- Ultraviolet UVC systems do not protect flexible air ducts from mold growth as the inner core of most flexible ducts may deteriorate if exposed to UV light.
- AMBlue is manufactured with a co-extruded film which integrates antimicrobial agents into the flexible duct inner-core itself. This unique film provides antimicrobial coverage of the entire inner duct surface area not attainable with sprays, coatings or ultraviolet lighting and will not flake off over time.

Continued on next page...



The Green Products Company

"Building A Greener Tomorrow!"

A DIVISION OF ACOUSTICAL SURFACES, INC.

123 Columbia Court North ■ Suite 201 ■ Chaska, MN 55318
(952) 448-5300 ■ Fax (952) 448-2613 ■ (800) 708-0517

Email: sales@thegreenproductscompany.com

Visit our Website: www.thegreenproductscompany.com

Accepted Facts *Cont'd*:

- AMBlue film was tested by Agion® microbiologists using test standards ASTM E2180 (bacteria) and ASTM G21 (mold). Testing reports available upon request.
- Agion "Nature's Antimicrobial", is based on naturally-occurring silver. The Agion silver-ion technology inhibits the growth of odor causing fungi, mold and mildew on the surface of the product and is non-toxic when used as directed.

PRODUCT DATA:

Diameter: 4", 5", 6", 7", 8", 9", 10", 12", 14", 16", 18", 20"

Length: 25 ft.

Packaging: 1 section per carton

Vapor Barrier: Metalized, reinforced polyester

End Treatments: Raw Ended

Inner Core: Spun-bonded, non-woven fabric for maximum Insertion Loss (IL).

Product Nomenclature: AMR25 (R4.2) AMR25R6 (R6), AMR25R8 (R8)

PERFORMANCE DATA:

Thermal Value: R4.2, R6 & R8 Classified by Underwriters Laboratories, Inc. and bears the ADC Thermal Certification Mark. Owens Corning Fiberglass with Green Guard Certification.

Maximum Positive Pressure: 3" W.G. (5"-12"), 2" W.G. (14"-20") determined per ADC Test FD-72-R1 at elevated temperatures with a 90° elbow. Maximum.

Negative Pressure: 1" W.G. (5"-10") 1/2" W.G. (12"-20").

Maximum Velocity: 4,000 FPM.

Vapor Barrier Perms: 0.006 US Perms Per ASTM E96A-94. Flexible air duct are indoor applications only and should not be exposed to direct ultraviolet light.

Operating Temperature: 0-200° F

Antifungal & Antimicrobial Assesemt: Resists growth as tested using ASTM E2180 (bacteria) and ASTM G21 (mold).

Code Compliance & Approvals:

Listed and Labeled Underwriters Laboratories, Inc. File # MH1 1637 UL-1 81 Class 1 Air Duct Flame Spread 25 or Less / Smoke Developed 50 or Less. Meets the requirements of NFPA 90A & 90B & UMC 6-1. Licensed as a California Insulation Manufacturer # TD-1 092.

