



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



ACOUSTICAL FLEXIBLE AIR DUCT

GREEN QUALITIES:

- Helps control sound generated by HVAC
- Available up to R-8 thermal value

CERTIFICATIONS/ PERFORMANCE RATING

- GREENGUARD Indoor Air Quality Certified
- GREENGUARD Children and Schools Certified
- Acoustical Flexible Air Duct Data Sheet
- Flexible Air Duct LEED Contribution Letter
- UL-181 Class 1 Air Duct
- Meets NFPA 90A and 90B and UMC 6-1

DESCRIPTION:

WAMR-25 (25' length) is acoustic flexible duct constructed with galvanized wire helix and a unique sound transparent, spun-bonded, non-woven inner core. Fiberglass insulation (Choice of R4.2, R6, R8) encompasses the core and a metalized, reinforced vapor

Insertion Loss (IL):

- The decrease in sound pressure level through a length of duct compared to the same length of unlined sheet metal duct.
- 70dB with 10' Unlined sheet Metal Duct Returns at 60dB
- 70dB with 10' Flexible Air Duct Returns at 40dB
- $IL = 60 - 40 = 20dB$

Radiated Noise Reduction (NR)

- The reduction in sound pressure level thru the duct wall
- $NR = 67dB - 60dB = 7dB$

Airflow Generated Sound Power Level

- The sound generated by the airflow thru a duct
- 0dB through 10' flexible Air Duct with 2000 fpm air flow returns at 35dB

Features & Benefits:

- Superior Insertion Loss
- 10 Year Limited Warranty
- Unique Reinforced, Metalized Jacket
- Certified R-Values
- Airport Noise Reduction Solution

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)

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

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 Permeance: (Vapor Barrier) 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.

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.

