



PRODUCT SPECIFICATIONS

R8 Semi-Flex Cotton Insulated Air Duct
12' Insulated ETL Class A Duct

Construction

Superior Air Ducts® is a Class A Type 1 semi-flex air duct that is tested for compliance to standard for Safety Underwriters Laboratory #181, ETL listed product (#3031404). Superior Air Ducts® are manufactured with a reinforced, heavy cross hatched scrim, reflective metallized jacket and the cotton insulating the inner core. The outside jacket guarantees stability and will withstand severe handling.

The cotton insulation is 2.2 lbs per cubic foot density material with a thermal resistance value of R8+. It is treated with a natural bio-stat borate solution.

The inner core is air-tight and it is designed for low to medium operating pressures in HVAC systems. It is constructed with a steel wire helix encapsulated in (6) ply clear mylar. The heavy gauge wire is spaced every 3/8" to 1" depending on the size of the duct.

Product Compliance

ETL listed # 3031404

US Patent # 6,425,419 B1

ICBO (International Conference of Building Officials)

BOCA (Building Officials and Code Administrators)

CABO (Council of American Building Officials)

SBCCI (Southern Building Code Congress International)

Warranty

Superior Air Ducts® is warranted by Superior Air Ducts® for ten (10) years against defects in material and workmanship. This warranty is for exchange of duct.

Feature	Benefit
Cotton Insulated	Environmentally Safe
Contains No Formaldehyde	Will Not Pose Cancer Issues
Class-A Fire Rated	Meets Code Standards
Does Not Itch Or Cause Skin Irritation	Safe To Work With
Contains Insulation With 85% Recycled Content	Assists In Earning LEED Credits
10 Year Product Warranty	No Risk In Purchasing - Peace Of Mind
Extremely Durable	Improves Air Flow & Performance
Mold/Bacteria Resistant	Reduces IAQ Concerns

Performance Data Cotton
R Value: R8 in accordance with ASTM C 518
Flame Spread: Less than 5
Smoke Developed: Less than 35
Attributes: ASTM C 739, fungi resistant, non corrosive, bacteria resistant
Acoustic Ratings for Cotton insulation: NRC=1.15, STC=57
Less than 1° temperature differential @ 50'

Product Data	
Length: 12'	Diameter: 2", 4", 6", 7", 8", 9", 10", 12", 14", 16", 18", 20"
Packaging: # of sections per package vary	End Treatment: Raw ended overlap
Vapor Barrier: Metallized mylar jacket with a heavy cross hatched reinforced scrim	
Inner Core: (6) ply polyester with steel wire helix spaced every 3/8" to 1"	
Insulation: R8-2" cotton	