



CORE

- Two tough plies consisting of a layer of metalized polyester and a layer of clear polyester encapsulating a steel wire helix creating a high strength and durable product.
- Rated pressures per UL-181: 4000 Pa. positive, 250 Pa. negative (≤ 305 mm \varnothing) & 125 Pa. negative (> 305 mm \varnothing).
- Recommended maximum operating pressures (ADC Test FD 72-R1):
1500 Pa. positive for 305 mm diameter and under.
1000 Pa. positive for 355 mm diameter and over.
- Rated maximum air velocity: 30.5 m/s.

THERMAL CHARACTERISTICS

- R-0.74 m² · °C/W formaldehyde free insulation certified by UL and the Air Diffusion Council in accordance with ADC Flexible Duct Performance and Installation Standards using ASTM C-518 at installed wall thickness on flat insulation only.

VAPOR BARRIER

- A durable black polyethylene vapor barrier
- High tensile multi-directional fiberglass scrim is used under the vapor barrier to provide additional strength and tear resistance.
- Perm rating of 5.7 ng/(s · m² · Pa.) when measured per ASTM E96, Method A.

SURFACE BURNING CHARACTERISTICS

- Flame Spread: Less than 25
- Smoke Developed: Less than 50

OPERATING TEMPERATURE RANGE

- -7°C to 60°C Continuous
- -7°C to 121°C Intermittent

SIZE AVAILABILITY

- Standard length: 7.6 m
- Diameters offered: 102, 127, 152, 178, 203, 229, 254, 305, 356, 406, 457 & 508 mm
- Plain ends

APPROVALS

- UL-181 (UL LISTED)
- NFPA 90A & 90B
- HUD
- California Bureau of Home Furnishings
- Most Federal, State, and Local Codes and Standards.

JOB NAME: _____
 LOCATION: _____
 ARCHITECT: _____
 ENGINEER: _____
 CONTRACTOR: _____

SUBMITTED BY: _____

DATE: 8/12/09

SD-5020m

F194

Insulated Flexible Air Duct, Class 1
 R-0.74 m² · °C/W, Three Ply
 Metalized Polyester/Polyester Core
 Polyethylene Vapor Barrier