



CORE

- Two plies of black polyester film encapsulate a steel wire helix.
- Rated pressures (UL-181): 12 in. W.C. positive, 3/4 in. W.C. negative ($\leq 12''\phi$) & 1/2" W.C. negative ($> 12''\phi$).
- Recommended maximum operating pressures (ADC Test FD 72-R1):
6 in. W.C. positive for 12 in. diameter and under.
4 in. W.C. positive for 14 in. diameter and over.
- Rated maximum air velocity: 5000 FPM.

THERMAL CHARACTERISTICS

- R-4.2 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 heavy duty 4 Mil black polyethylene vapor barrier provides outstanding protection for either indoor or sheltered outdoor applications.
- High tensile multi-directional fiberglass scrim is used under the vapor barrier to provide additional strength and tear resistance.
- Perm rating of 0.1 perms when measured per ASTM E96, Method A.

SURFACE BURNING CHARACTERISTICS

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

OPERATING TEMPERATURE RANGE

- -20°F to 140°F Continuous
- -20°F to 250°F Intermittent

SIZE AVAILABILITY

- Standard length: 25 feet
- Diameters offered: 6", 8", 10", 12" & 14"
- Plain ends

APPROVALS/COMPLIANCE

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

JOB NAME: _____	SUBMITTED BY: _____	DATE: 8/12/09	SD-5008
LOCATION: _____		F314 (Mobile Home)	
ARCHITECT: _____		Insulated Flexible Air Duct	
ENGINEER: _____		Class 1, R-4.2	
CONTRACTOR: _____		Polyester Core	
		Polyethylene Vapor Barrier	