



### CORE

- Two plies of black polyester film encapsulate a steel wire helix.
- Rated pressures per UL-181: 3000 Pa. positive, 200 Pa. negative ( $\leq 305$  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: 25.4 m/s.

### THERMAL CHARACTERISTICS

- R-1.41 m<sup>2</sup> · °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 heavy duty 0.1 mm black polyethylene vapor barrier provides outstanding protection for either indoor or sheltered outdoor applications.
- Perm rating of 5.7 ng/(s · m<sup>2</sup> · 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: 305 & 356 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: _____	SUBMITTED BY: _____	DATE: 8/13/09	SD-5025m
LOCATION: _____		<b>F318 (Mobile Home)</b>	
ARCHITECT: _____		Insulated Flexible Air Duct	
ENGINEER: _____		Class 1, R-1.41 m <sup>2</sup> · °C/W	
CONTRACTOR: _____		Polyester Core	
		0.1 mm Polyethylene Vapor Barrier	