



### 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

- $R=0.74$  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

- This metalized vapor barrier is constructed using fiberglass scrim which provides an outstanding combination of strength and tear resistance.
- Perm rating of 2.3 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

- -29°C to 60°C Continuous
- -29°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
- F214 - Packaged in boxes
- FB214 - Packaged in bags

### 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-5002m
LOCATION: _____		<b>F214,FB214</b> Insulated Flexible Air Duct Class 1, $R=0.74$ m <sup>2</sup> · °C/W Polyester Core Metalized Vapor Barrier	
ARCHITECT: _____			
ENGINEER: _____			
CONTRACTOR: _____			