Flex-Vent KM

FROM THE MANUFACTURER OF THERMAFLEX®

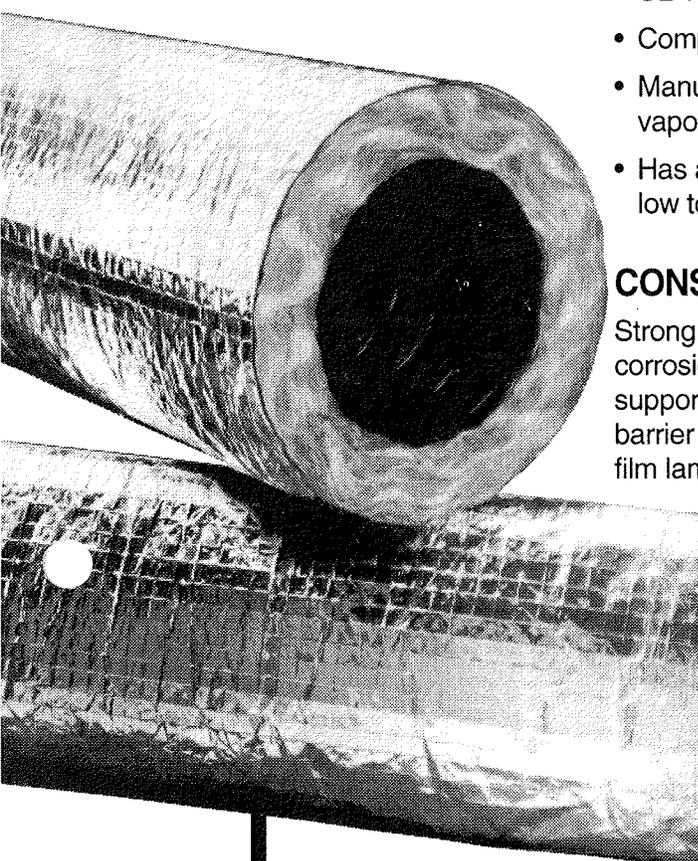## DESCRIPTION:

- UL 181 listed Class 1 Air Duct.
- Complies with NFPA Standards 90A & 90B.
- Manufactured with a new bi-directional, reinforced metallized vapor barrier.
- Has a smooth, air tight black inner core of polyester designed for low to medium pressure systems. Oversized for easy installation.

CONSTRUCTION AND MATERIALS:

Strong polyester film laminated and encapsulating a heavy, corrosion resistant steel wire helix forms the inner core and supports a thick blanket of fiberglass insulation. The outer vapor barrier is a strong jacket of figerglass scrim reinforced metallized film laminate.

PRODUCT DATA:

Length: Standard lengths of 25 ft.

Diameters: 4, 5, 6, 7, 8, 9, 10, 12, 14, 16, 18, 20

Packaging: 1 standard 25' length per carton/bag

PERFORMANCE DATA:

Maximum Positive Pressure: 10" water column (4"-16" diameter)

6" water column (18"-20" diameter)

Maximum Negative Pressure: 1/2" water column (4"-20" diameter)

Flame Spread: less than 25

Smoke Developed: less than 50

Vapor Transmission Rating: 0.1

Velocity (feet per minute): 5,000

Operating Temperature Range: Minimum - 20°F; Maximum 250°F

R Value: 4.2/6.0/8.0 using ASTM C-518 (1991) at installed wall thickness on flat insulation only

adc
Thermal Performance

ALSO CLASSIFIED BY Underwriters Laboratories, Inc. ® IN ACCORDANCE WITH ADC FLEXIBLE DUCT PERFORMANCE AND INSTALLATION STANDARDS (1991) USING ASTM C-518 (1991) AT INSTALLED WALL THICKNESS ON FLAT INSULATION ONLY **R - 4.2**	ALSO CLASSIFIED BY Underwriters Laboratories, Inc. ® IN ACCORDANCE WITH ADC FLEXIBLE DUCT PERFORMANCE AND INSTALLATION STANDARDS (1991) USING ASTM C-518 (1991) AT INSTALLED WALL THICKNESS ON FLAT INSULATION ONLY **R - 6.0**	ALSO CLASSIFIED BY Underwriters Laboratories, Inc. ® IN ACCORDANCE WITH ADC FLEXIBLE DUCT PERFORMANCE AND INSTALLATION STANDARDS (1991) USING ASTM C-518 (1991) AT INSTALLED WALL THICKNESS ON FLAT INSULATION ONLY **R - 8.0**

Thermaflex

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615 S. 56ᵗʰ Ave

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455 12th Ave.

CANADA
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CUSTOMER SERVICE TOLL FREE
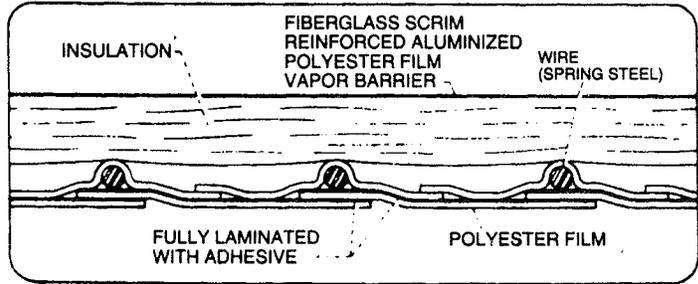**1-800-459-4822**

www.thermaflex.net

Flex-Vent KM

FROM THE MANUFACTURER OF THERMAFLEX®

SUBMITTAL SHEET FOR FLEXIBLE DUCT

Insulated Flexible Air Duct for Environmental Air Handling Systems

CODE/STANDARDS	Listed and labeled by Underwriters' Laboratories, Inc., as a Class 1 Air Duct Material, Standard 181. It complies with the latest NFPA Bulletins 90A and 90B. Meets FHA and other U.S. government agency standards. Flame spread: not over 25. Smoke developed: not over 50.
CORE FABRIC TYPE	Polyester film.
INSULATION R-4.2 R-6.0 R-8.0	1 ½", .76 lb. minimum density fiberglass blanket. 2", .76 lb. minimum density fiberglass blanket. 2 ⅜", .76 lb. minimum density fiberglass blanket.
EXTERIOR FACING AND VAPOR BARRIER	Fiberglass scrim reinforced, metallized polyester film vapor barrier. Flame resistant.
THERMAL PERFORMANCE R-VALUE	adc Thermal Performance — ALSO CLASSIFIED BY Underwriters Laboratories, Inc. ® IN ACCORDANCE WITH ADC FLEXIBLE DUCT PERFORMANCE AND INSTALLATION STANDARDS (1991) USING ASTM C-518 (1991) AT INSTALLED WALL THICKNESS ON FLAT INSULATION ONLY **R - 4.2 / R - 6.0 / R - 8.0**
VAPOR BARRIER PERMEANCE	.1 Perm per ASTM. Method E96, Procedure A.
TEMPERATURE RANGE	-20° F to 250° F.

SIZES, ID	4	5	6	7	8	9	10	12	14	16	18	20
LENGTH (feet)	25 ft.											
INSIDE BEND RADIUS (inches)	4	5	6	7	8	9	10	12	14	16	18	20

STEEL WIRE	Corrosion resistant coated wire helix
RATED VELOCITY	5,000 fpm.
MAX. RATED PRESSURE	4" - 16" — 10" w.g., **POSITIVE** 18" - 20" — 6" w.g., **POSITIVE** 4" - 20" DIA — ½" w.g., **NEGATIVE**

INSULATION — FIBERGLASS SCRIM REINFORCED ALUMINIZED POLYESTER FILM VAPOR BARRIER — WIRE (SPRING STEEL) — FULLY LAMINATED WITH ADHESIVE — POLYESTER FILM

JOB _____

LOCATION _____   P.O. NO _____

ENGINEER _____   JOB NO. _____

CONTRACTOR _____   REPRESENTATIVE _____

CERTIFIED CORRECT   APPROVED FOR CONSTRUCTION

BY _____   BY _____

TITLE _____   TITLE _____

DATE _____   DATE _____

THERMAFLEX® - A Division of Flexible Technologies, Inc., a subsidiary of Smiths Group plc.

HARDI   UL   ADC