



# R-KD

INSULATED DOUBLE AIR SEAL FLEXIBLE AIR DUCT FOR OUTDOOR LOW AND MEDIUM PRESSURE SYSTEMS

## Applications and Engineering Data

NOMINAL INSIDE DIAMETER (Inches)	8	10	12	14
LENGTH (feet)	25	25	25	25
INSIDE BEND RADIUS (inches)	8	10	12	14
OPERATING PRESSURE (inches water column)				
POSITIVE	6	6	6	6
NEGATIVE	1	1	1	0.5
OPERATING TEMPERATURE RANGE (°F)				
MINIMUM			-20	
MAXIMUM			250	
VELOCITY (feet per minute)			5000	
R-VALUE			4.2 / 8.0	
SURFACE BURNING CHARACTERISTICS				
MAXIMUM FLAME SPREAD			25	
MAXIMUM SMOKE DEVELOPED			50	
VAPOR TRANSMISSION RATING (U.S. Perm)			0.1	

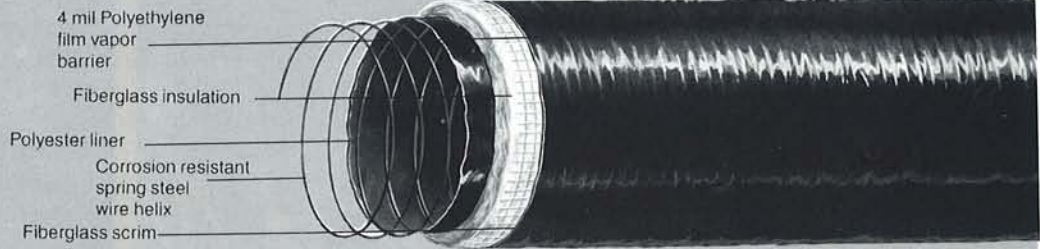


ALSO CLASSIFIED BY Underwriters Laboratories, Inc. ®  
IN ACCORDANCE WITH ADC FLEXIBLE DUCT  
PERFORMANCE AND INSTALLATION STANDARDS  
(1991) USING ASTM C-516 (1991) AT INSTALLED WALL  
THICKNESS ON FLAT INSULATION ONLY  
**R - 4.2 / 8.0**

NOTE: For detailed information concerning air friction loss and acoustical data, refer to separate technical bulletins published by Flexible Technologies. Tests performed according to Air Diffusion Council Air Duct Test Code FD72R1.

## Construction and Materials

Laminated polyester duct liner is permanently bonded to a corrosion resistant spring steel wire helix. Also supporting a thick blanket of fiberglass insulation and fiberglass scrim vapor barrier is an outer jacket of heavy black polyethylene.



## Suggested Specification

Flexible duct and flexible duct assemblies for connections between \_\_\_\_\_ and \_\_\_\_\_ shall be Thermaflex® R-KD listed by Underwriters Laboratories, Inc., under UL Standard 181 as Class 1 flexible air duct and complying with NFPA Standards 90A and 90B, and HUD Mobile Home Construction and Safety Code, Part 3280.715. Thermaflex® R-KD air duct shall be factory fabricated assembly composed of: polyester inner duct liner bonded permanently to a corrosion resistant spring steel wire helix supporting a 1 ½ in. thick fiberglass insulating blanket with fiberglass scrim. Low permeability outer vapor varrier of 4 mil. polyolefin material shall complete the assembly.

**WARRANTY.** Flexible Technologies warrants that all Thermaflex insulated and non-insulated products will be free from defects in materials and factory workmanship for a period of five years from the date of manufacture. This warranty applies only to ducts properly installed in accordance to Flexible Technologies written installation instructions and under conditions specified in published performance data. Flexible Technologies shall not be liable to buyer or any third party for any special, secondary, incidental or consequential damages however arising.

### Offices

#### CUSTOMER SERVICES DEPARTMENT:

**ABBEVILLE, SC 29620**

528 Carwellyn Road

Phone 864-459-5441

Fax 864-459-8771

National Sales

Headquarters

[www.wereflexible.com](http://www.wereflexible.com)

#### CANADA

1630 Matheson Blvd. E.

Unit C

Mississauga, Ontario L4W174

Phone 905-602-9660

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