



**The #1 Flexible Duct in the World.**

# EverClean™ Flexible Duct

## The Clear Choice for Indoor Air Quality

EverClean™ is designed for use in custom built homes where improved Indoor Air Quality (IAQ) is desired or required. EverClean™ flexible ducts perform well in low to high pressure cooling and heating systems and can be utilized in either supply or return sections. Specific applications include branch ducts and branch connections to or between mixing units, induction units, control or terminal units, and diffusion devices.

EverClean™ provides excellent efficiency in higher-pressure systems because its liner and reinforced, metallized vapor barrier work in combination to supply a double air seal.



**Increase productivity and profitability with innovative products by Thermaflex. Contact us today at 1-800-459-4822.**



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# EverClean Flexible Duct


## Features and Benefits

- Anti-microbial properties resist and inhibit the growth of mold and mildew and help to improve indoor air quality (IAQ)
- Internal lining provides efficient air delivery
- Heavy spring steel wire helix assures dimensional stability, resists rust corrosion and mechanical abuse
- Bi-directional, reinforced jacket resists tearing and reduces potential damage to vapor barrier
- Energy efficient Owens Corning insulation enhances air temperature and reduces noise (R-8 value)
- Coated woven cloth core delivers quiet performance
- Core's unique weave will not unravel when cut
- All EverClean™ components are self-extinguishing and will not deteriorate in a fire until the temperature reaches the melting point of glass
- "Outward cast" of wire helix prevents duct core shrinkage, inhibits unnecessary waste
- Heavy woven and coated fiberglass cloth core will not puncture or tear, eliminating "blow out" and costly callbacks
- Quality EverClean™ installations produce referrals, increase volume and profits

## Application and Engineering Data

<b>Nominal Inside Diameter (inches)</b>	4	5	6	7	8	9	10	12	14	16	18	20
<b>Length (feet)</b>	25	25	25	25	25	25	25	25	25	25	25	25
<b>Inside Bend Radius (inches)</b>	4	5	6	7	8	9	10	12	14	16	18	20
<b>Operating Pressure (inches water column)</b>	Positive = 16 inches (4-10 in. ID), 10 inches (12-20 in. ID) Negative = 2 inches											

<b>Operating Temperature Range (°F)</b> Minimum Maximum	-20 250
<b>Velocity (Feet Per Minute)</b>	6000
<b>R-Value</b>	8.0 per ASTM C-518
<b>Surface Burning Characteristics</b> Maximum Flame Spread Maximum Smoke Developed	25 50
<b>Vapor Transmission Rating (US Perm)</b>	0.05



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

Thermal Performance

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



## Suggested Specification

Flexible duct for connections between \_\_\_\_ and \_\_\_\_ shall be EverClean™ air duct rated for a maximum pressure of 16" (4-10 in. ID) or 10" (12-20 in. ID) water column positive and 2" water column maximum negative pressure and 6000 FPM maximum velocity and Listed by Underwriters Laboratories, Inc. under UL Standard 181 as a Class 1 air duct and complying will NFPA Standards 90A and 90B. EverClean™ air duct shall be factory made and composed of: an inner duct of woven and coated fiberglass providing an air seal and permanently bonded to coated steel wire helix, a fiberglass insulating blanket, and low permeability outer vapor barrier of fiberglass-reinforced metallized film laminate.

**Warranty** Thermaflex® warrants that EverClean™ insulated ducting will be free from defects in materials and factory workmanship for 10 years. This warranty covers the flexible duct, materials and labor. This warranty applies only to ducts properly installed in accordance to published, written installation instructions and under conditions specified in published performance data. Thermaflex shall not be liable to buyer or any third party for any special, secondary, incidental or consequential damages, however they arise.

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