ANCO PRODUCTS, INC. PRODUCT SPEC SHEET

ANCO Flex Systems

SYSTEM 4625 with "ULTRA 10" CORE and BLACK POLYETHYLENE VAPOR BARRIER

UNDERWRITERS LABORATORIES INC.® LISTED STANDARD 181

CLASS 1 AIR DUCT MATERIAL with CERTIFIED THERMAL R-VALUES

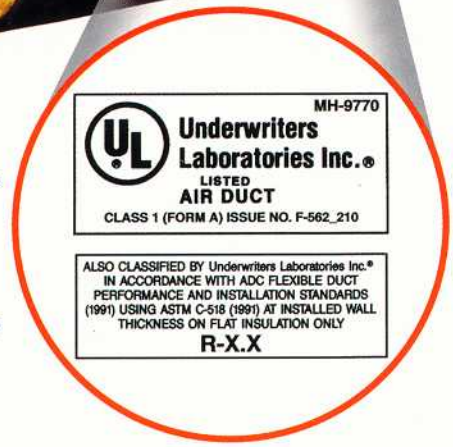
DESCRIPTION:
ANCO-Flex 4625 is constructed around Anco's "ULTRA-10" core, whereby a galvanized spring steel wire helix is completely encapsulated within two layers of tough polyester film securely bonded together making an impervious inner tube. This core is then wrapped with a thick blanket of thermally certified energy-saving insulation. A protective vapor barrier of seamless black polyethylene then covers the core and the insulation. **4625UVR** is supplied with even a heavier duty, UV resistant vapor barrier for situations where the product will be installed outdoors or where it is exposed to direct sunlight. Ducts are available in 3"-20" diameters.

APPLICATIONS:
ANCO-Flex 4625 is a very versatile air duct product capable of performing in a multitude of low to high-pressure residential or commercial HVAC applications. 4625 is well suited for main trunk lines, supply and return lines, connecting lines, as well as runs to diffusers and room registers. As Class 1 air ducts, there are no associated limitations for installed length unless limited by a code body.

LENGTH: 25' is standard. Others are available upon request.

FITTINGS: 4625 is available with fittings attached with UL 181-B tape.

ANCO FLEX SYSTEM
4625 with or without Fittings



AIR DIFFUSION COUNCIL adc SEAL OF CERTIFICATION

Thermal Performance

PERFORMANCE DATA:

- AVAILABLE DIAMETERS: 3" , 4", 5", 6", 7", 8", 9", 10", 12", 14", 16", 18", and 20" diameters. (Oversized by 3/8" for easy fitting).
- SURFACE BURNING CHARACTERISTICS: Flame Spread: Less than 25; Smoke Developed: Less Than 50
- CODE APPROVALS: This product meets or exceeds the requirements of most federal, state, and local codes including UL 181; NFPA 90A/90B; HUD/FHA Std 515; Standard Mechanical Code; National Mechanical Code; Uniform Mechanical Code; Florida Energy Code; the Cities of Chicago and New York, etc. just to name a few. We recommend you always check with your local authorities when in question.
- UL/ADC CERTIFIED R-VALUES: This product is certified for thermal performance in accordance with the ADC Flexible Duct Performance & Installation Standards (1996). Certified R-Values with the ADC label are essential to ensure compliance with regulatory codes.
- R-VALUES AVAILABLE: R 4.2, R 6.0, R 8.0, and R-10. R-10 ducts are a special order item.
- INSULATION: We use our own very special TEXTRAFINE™ long fiber insulation. Due to the fiber length, TEXTRAFINE™ is rated by the International Agency for Research Cancer (IARC) as an IARC-3, Non-Hazardous Material. Additionally, TEXTRAFINE™ does not itch like others! TEXTRAFINE™ also maintains its installed thickness over its lifetime; therefore, R-Values and thermal efficiencies are retained.
  *Note: 4625 may also be insulated with a rotary fiberglass that requires scrim yarn reinforcement, if requested.
- ULTRA-10 CORE: Two layers of polyester film are bonded together over a galvanized wire helix to form an impervious tube that is tested in accordance with ADC FD 72-R1 for static pressure and temperature performance. The galvanized wire is UL rated for corrosion protection.
- UL RATED PRESSURE: 3"-20"-Maximum 10" W.C. positive. 3"-10" Diameters: 1" W.C. negative; 12"-20" Diameters: 1/2" W.C. negative. Although rated higher, we recommend maximum operating pressures at around 6" W.C. positive.
- UL RATED MAXIMUM AIR VELOCITY: 4000 FPM
- UL RATED OPERATING TEMPERATURE: -0 degrees F up to 200 degrees F
- VAPOR BARRIER: Very durable, puncture resistant black polyethylene vapor barrier that provides improved protection against UV light. Despite the improved UV resistance, we still do not recommend installations in direct sunlight or in outdoor applications. For these applications, we recommend **4625UVR** (same specifications as 4625), which uses even a heavier duty black polyethylene vapor barrier or our 5625 product.
- VAPOR BARRIER PERMEANCE RATING: 0.1 (ASTM E96 Method "A")

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