


Acoustic Insulated Flexible Duct for Sound Attenuation at Supply and Exhaust registers/grilles.



This Product is listed
C-UL-US-S-110 – US-UL-181
Air Duct class 1 

AcustiCare Flex Duct® is an insulated layers is an insulated Flexible Air connector consisting of two layers of pure aluminum and of 2 of a polyester binding a galvanized wire. AcustiCare Flex Duct is design as a sound attenuator. It has an additional protective thick membrane (0.003"/0,0762mm) design to avoid any contact between the air stream and the insulation. Like this, no moisture touches the insulation and insulation fibers can not migrate into the air stream.

AcustiCare Flex Duct® is completely water and air tight, corrosion resistant and can withstand high static pressure. High static pressure resistance is achieve by having a tight distance between helix (1 inch) and by having the thicker wall in the industry (0.0095").

AcustiCare Flex Duct® offer a high resistance to fire because of its unique quadruple laminating process leaving no flammable material exposed. All adhesive use in the quadruple laminating process contain fire retardant even if those material are not exposed.

AcustiCare Flex Duct® has a much lower friction loss than regular cloth duct reducing the energy required by the system to move the air. It also uses *John Manville's Certified Flex-Glas EQ Formaldehyde-free insulation* which is rated UL 2818 GREENGUARD GOLD.

-Vapor Barrier Material:	Metalized PET
-Core Wall Thickness:	(0.0041"/0,105mm)
-Vapor Barrier Thickness:	(0.0037"/0,095mm)
-Flame Spread:	< 25
-Fume Spread:	< 50
-Maximal Speed:	4000 ft/minute
-Maximum Static Pressure in Continuous Mode:	15" H ₂ O (3,7 kPa)
-Maximal Negative Static Pressure in Continuous Mode:	1.5" H ₂ O (0,37 kPa)
-Operative Temperature Range:	-30°F to 250°F (-34°C to 121°C)
-Maximum Temperature Ranges in Continuous Mode:	-30°F to 140°F (-34°C to 60°C) continuous @ 4" WC -30°F to 180°F (-34°C to 82°C) continuous @ 2" WC -30°F to 250°F (-34°C to 121°C) continuous @ ½" WC

Available Standard versions are:
5" dia.@ R4,2
(25 feet of length in a 48-inch long box) 6" dia.@ R4,2
8" dia.@ R4,2
8" dia @ R8

Prefab Mufflers:
Available in length of 36-inch in 5" dia.@ R4,2
(contact us for more details) 6" dia.@ R4,2

Custom orders available for 3", 4", 5", 6", 7" or 8" dia. with insulation R Value of either R 4,2 or R6 or R8.

CANADA + USA CUSTOMER SUPPORT:

By phone: toll free 1.855.888.2292 Sales: Ext. #1 or Tech Support: Ext.#2
By email: sales@minotair.com or support@minotair.com