ECO FRIENDLY NON-INSULATED ALUMINIUM FLEXIBLE AIR DUCTS

TYPES:

ALUAFS.70 GREEN
(M1, difficult to ignite)

ALUAFS.F GREEN
(M0, limited combustibility)

ALUAFS.70 GREEN UL
(M1, difficult to ignite)

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ALUAFS GREEN

AFS proudly introduces innovative, low emitting, GREEN Series products certified by **UL Environment Greenguard Certification** program. The Green movement of AFS aims to improve indoor air quality and also reduce people's exposure to chemicals and other pollutants. AFS puts an extensive effort to develop GREEN Series, which stringently certified by **UL Environment.**

AFS GREEN Series products achieve stricter certification criteria and are marked as **"UL GREENGUARD GOLD Certified"** and referenced by both Collaborative for High Performance Schools (CHPS) and Leadership in Energy and Environmental Design (LEED) Building Rating systems. All AFS GREEN products are tested and retested periodically to ensure compliance with UL GREENGUARD Certification's rigorous indoor air quality standards. New AFS Green Series Flexible Air Ducts can be found in the free online UL GREENGUARD Product Guide. **(www.greenguard.org)**

Why Indoor Air Quality?

We spend about 90% of our time indoors, where air can be 2 to 5 times more polluted than outdoor air. Interior products have significant impact on indoor air quality and can emit hundreds of chemicals into the air that building occupants breathe. The particular substances known as Volatile Organic Compounds (VOCs) are released into the air from everyday furnishings, building materials and products. Once airborne, VOCs are inhaled by building occupants triggers numerious health problems.

Infants and children at school age are more sensitive to the effects of VOCs and poor indoor air quality. Children are breathing more air while their immune and neurological systems are still developing. Children are exposed to high levels of VOCs are four times more likely to develop asthma.

Indoor Air Pollution Leads To Health Consequences

- Asthma and allergies
- Headache
- Eye, nose & throat irritation
- Reproductive & development defects
- Neurological diseases
- Cardiovascular diseases
- Respiratory diseases
- Some forms of cancer

The dimensions, tolerances and mechanical resistance of ALUAFS GREEN are tested, classified and certified according to EN 13180.

TECHNICAL PROPERTIES

TYPE	ALUAFS.70 GREEN	ALUAFS.70 GREEN UL	ALUAFS.F GREEN
Fire Resistance	Difficult to ignite	Difficult to ignite	Limited combustibility
Construction	3 ply aluminium 2 ply polyester	3 ply aluminium 2 ply polyester	3 ply aluminium 1 ply polyester
Nominal Thickness	70 micron	70 micron	74 micron
Available Diameters	Ø 52 mm – Ø 800 mm	Ø 102 mm – Ø 254 mm	Ø 82 mm – Ø 800 mm
Temperature Range	-30 °C / +150 °C	-30 °C / +150 °C	-30 °C / + 250 °C
Air Velocity	30 m/s (max)	30 m/s (max)	30 m/s (max)
Operating Pressure	3000 Pa (max)	3000 Pa (max)	3000 Pa (max)
Standard Length	10 m	10 m	10 m
Packing	Single cardboard box	Single cardboard box	Single cardboard box
FIRE CERTIFICATES			
United Kingdom (EN 13501-1)	Class B - s1, d0		
Europe	EN ISO 11925-2 small flame test (ignitability) report EN 13823 single burning item (SBI) test report		EN ISO 1716 gross calorific value test report
France	M1		M0
CERTIFICATES			
USA (UL 181)			
TÜV SÜD	**95 / 28 / EC**		
Russia	**GOST-R**		**GOST-R**

GREENGUARD GOLD EMISSION CRITERIA

Individual VOCs*	**≤ 1/100 TLV & ≤ ½ CA CREL**
Formaldehyde	**≤ 7.3 ppb**
Total VOC*	**≤ 0.22 mg/m³**
Total Aldehydes	**≤ 0.043 ppm / 43 ppb**
Total Phthalates	**≤ 0.01 mg/m³**
Total Particles	**≤ 0.02 mg/m³**

GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

* Volatile Organic Compound