



“Motivation for ventilation”



**GREENGUARD**

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

**GOLD**



**GREEN...for all colors of life**

## **UL GREENGUARD GOLD Certification**

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 put an extensive effort to develop GREEN Series, which stringently certified by **UL Environment**.

Products are tested in Dynamic Environmental Test Chambers and procedures comply with applicable **ASTM** and **ISO** standards for measuring chemical emissions from indoor products.

AFS GREEN Series products achieve stricter certification criteria and marked as “**UL GREENGUARD GOLD Certified**” 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](http://www.greenguard.org))

# OUR PRODUCTS

Products are tested for more than 10.000 chemicals in state-of-the-art stainless steel environmental chambers.



**ALUAFS.70 GREEN**   
**ALUAFS.70 GREEN**  
**ALUAFS.F GREEN**  
**ALUAFS.F FORTE GREEN**



**ISOAFS-ALU.70 GREEN**  
**ISOAFS-ALU.F GREEN**



**ISOAFS-ALU.F FORTE GREEN**



**SONOAFS-ALU.70 GREEN**  
**SONOAFS-ALU.F GREEN**



**SONOAFS-ALU.F FORTE GREEN**



**SLEEVEAFS GREEN**

## GREENGUARD GOLD EMISSION CRITERIA

<b>Individual VOCs*</b>	$\leq 1/100$ TLV & $\leq 1/2$ CA CREL
<b>Formaldehyde</b>	$\leq 7.3$ ppb
<b>Total VOC*</b>	$\leq 0.22$ mg/m <sup>3</sup>
<b>Total Aldehydes</b>	$\leq 0.043$ ppm / 43 ppb
<b>Total Phthalates</b>	$\leq 0.01$ mg/m <sup>3</sup>
<b>Total Particles</b>	$\leq 0.02$ mg/m <sup>3</sup>

\* Volatile Organic Compound



## 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 (VOC's) are released into the air from everyday furnishings, building materials and products. Once airborne, VOCs are inhaled by building occupants and trigger numerous 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 disease
- Cardiovascular disease
- Respiratory disease
- Some forms of cancer

On average, indoor air is 2 to 5 times more polluted than outdoor air.



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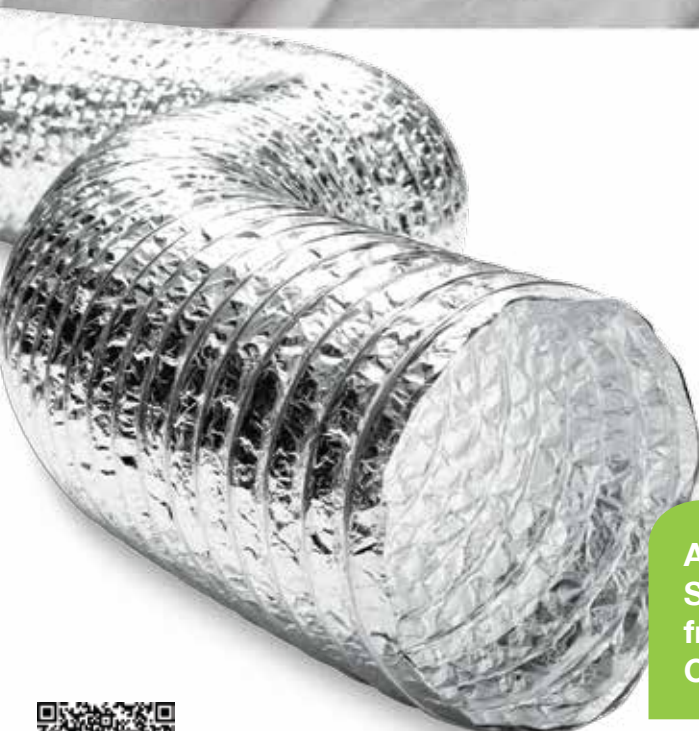
**GOLD**



**AFS**<sup>®</sup>

*"Motivation for ventilation"*

**GREEN**   
for all colors of life



Programs That Recognize & Reference **GREENGUARD**



Green Globes **REGREEN**

All products are certified to **GREENGUARD GOLD** Standards based on comprehensive emission criteria from EPA, Germany's Blue Angel Program, State of California and reputable public health agencies.

