

ecosoFT
Naturally Different

Ecosoft Flexible Air Ducts



ecosoFT series

naturally different



ISOAFS-ALU.70 ECOSOF

Inner Duct Construction

3 ply aluminium

2 ply polyester

Nominal Thickness of Inner Duct

70 micron

Jacket Construction

1 ply aluminium

2 ply polyester

Nominal Thickness of Jacket

45 micron

Insulation - Thickness - Density

Glass wool - 25 mm - 16 kg/m³

Glass wool - 50 mm - 16 kg/m³

Diameter Range (Ø)

52 - 800 mm

Wire Spacing

35 mm (Ø ± 127 mm)

Operating Temperature Range

-30 °C / +150 °C

Air Velocity

30 m/s (max)

Operating Pressure

+3000 Pa (max)

Standard Length

10 m

Packing

Special design cardboard box

Reaction to Fire

Difficult to ignite

Certificates

M1 (France)

Class B-s1, d0

(EU EN 13501-1)



*Information on the emission level of volatile substances into indoor air, presenting a risk of toxicity by inhalation, on a scale ranging from A+ (very low emissions) to C (high emissions)



The dimensions, tolerances, and mechanical resistance of all flexible ducts are tested, classified and certified according to EN 13180. All technical details are for information only. All information and technical data in this leaflet is subject to change without prior notice. Based on these permissible length tolerance is (-)3% for stated length (measured after fully stretched according to EN 13180)



ISOAFS-ALU.F ECOSOFT

Inner Duct Construction

3 ply aluminium
1 ply polyester

Nominal Thickness of Inner Duct

74 micron

Jacket Construction

1 ply aluminium
2 ply polyester

Nominal Thickness of Jacket

45 micron

Insulation - Thickness - Density

Glass wool - 25 mm - 16 kg/m³
Glass wool - 50 mm - 16 kg/m³

Diameter Range (Ø)

82 - 800 mm

Wire Spacing

35 mm (Ø ≥ 127 mm)

Operating Temperature Range

-30 °C / +250 °C

Air Velocity

30 m/s (max)

Operating Pressure

+3000 Pa (max)

Standard Length

10 m

Packing

Special design cardboard box

Reaction to Fire

Difficult to ignite

Certificates

M0 + M1 (France)



*Information on the emission level of volatile substances into indoor air, presenting a risk of toxicity by inhalation, on a scale ranging from A+ (very low emissions) to C (high emissions)


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ECOSOFT
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SONOAFS-ALU.70 ECOSOFT

Inner Duct Construction

3 ply aluminium  perforated
2 ply polyester

Nominal Thickness of Inner Duct

70 micron

Jacket Construction

1 ply aluminium
2 ply polyester

Nominal Thickness of Jacket

45 micron

Insulation - Thickness - Density

Glass wool - 25 mm - 16 kg/m³
Glass wool - 50 mm - 16 kg/m³

Diameter Range (Ø)

52 - 800 mm

Wire Spacing

35 mm (Ø ± 127 mm)

Operating Temperature Range

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SONOAFS-ALU.F ECOSOFT

Inner Duct Construction

3 ply aluminium  perforated
1 ply polyester

Nominal Thickness of Inner Duct

74 micron

Jacket Construction

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2 ply polyester

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eco

no acrylic less dusty
less dusty quick to recover odorless no phenol
no itchy feeling quick to recover
contributes to improved indoor air quality
gentle on the skin no phenol no formaldehyde
no formaldehyde no artificial colors
odorless no artificial colors quick to recover
less dusty easy to handle. Saving labor costs odorless
high recycled content **ecosoft** quick to recover
Naturally Different
no itchy feeling no itchy feeling no formaldehyde
odorless easy to handle. Saving labor costs no phenol
no formaldehyde no acrylic quick to recover
quick to recover no irritation on skin less dusty
no phenol no artificial colors
less dusty no formaldehyde no phenol
no formaldehyde

soft

naturally different



VOC and Formaldehyde emissions of AFS flexible air ducts based on ISO 16000.

Compounds	CAS number	Cexp at 28 days	A+ criteria	Emission class
Formaldehyde	50-00-0	4	< 10	A+
Acetaldehyde	75-07-0	1	< 200	A+
Toluene	108-88-3	< 1	< 300	A+
Tetrachlorethylene	127-18-4	< LD	< 250	A+
Xylene	108-38-3	< LQ	< 200	A+
1,2,4- trimethylbenzene	95-63-6	< 1	< 1000	A+
1,4- dichlorobenzene	106-46-7	< LD	< 60	A+
Ethylbenzene	100-41-4	< LQ	< 750	A+
2- butoxyethanol	111-76-2	< LD	< 1000	A+
Styrene	100-42-5	< LQ	< 250	A+
TVOC	-	11	< 1000	A+
Resulting emission class				A+

* Total Volatile Organic Compound

Exposure concentrations at 28 days ($\mu\text{g}\cdot\text{m}^{-3}$) from SONOAFS-ALU.70 ECOSOFT ventilation duct and resulting emission class (LD: detection limit, LQ: quantification limit)

CSTB Test report n° SC-15-030 (SONOAFS - ALU. F ECOSOFT)
 n° SC-15-029 (SONOAFS - ALU. 70 ECOSOFT)



*Information on the emission level of volatile substances into indoor air, presenting a risk of toxicity by inhalation, on a scale ranging from A+ (very low emissions) to C (high emissions)



ABSENCE OF RELEASE OF CMR COMPOUNDS

Compounds	CAS number	Cexp at 28 days
Trichlorethylene	79-01-6	< LD
Benzene	71-43-2	< LQ
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	< LQ
Dibutyl Phthalate (DBP)	84-74-2	< LQ
Compliance with Orders		YES

Release of CMR compounds: exposure concentrations at 28 days ($\mu\text{g.m}^{-3}$) from SONOAFS-ALU.70 ECOSOFT ventilation duct (LD: detection limit, LQ: quantification limit)



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AFS

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the potential