

# **Ventilation Supplies by Ventilation Specialists** masltd.com



## **Ecosoft Flexible Air Ducts**



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#### ISOAFS-ALU.70 ECOSOFT

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/m

Glass wool - 50 mm - 16 kg/m 3

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

Packing

Special design cardboard box

Reaction to Fire

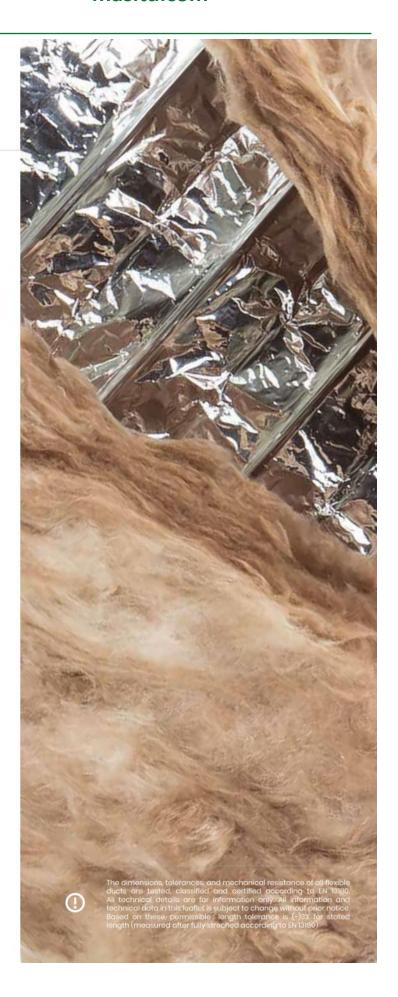
Difficult to ignite

Certificates M1 (France)

Class B-s1, d0 (EU EN 13501-1)

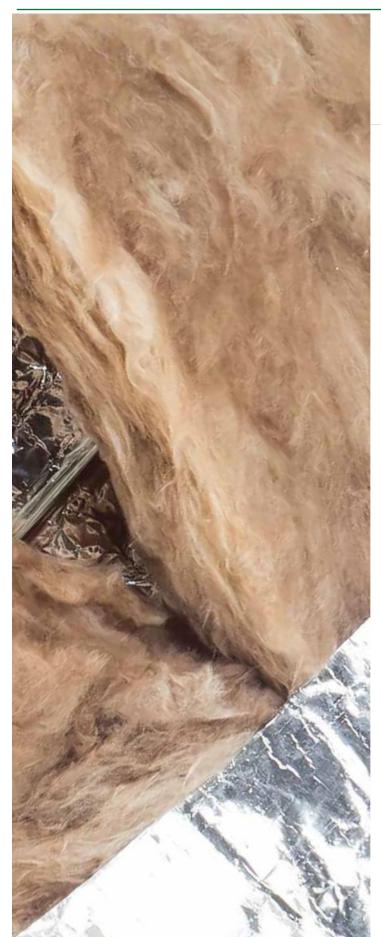








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#### Inner Duct Construction

3 ply aluminium 1 ply polyester

#### Nominal Thickness of Inner Duct

#### **Jacket Construction**

1 ply aluminium 2 ply polyester

#### Nominal Thickness of Jacket

45 micron

#### Insulation - Thickness - Density

Glass wool - 25 mm - 16 kg/m Glass wool - 50 mm - 16 kg/m<sup>3</sup>

#### Diameter Range (Ø)

82 - 800 mm

#### Wire Spacing

35 mm (Ø ≥ 127 mm)

## Operating Temperature Range

Air Velocity

30 m/s (max)

#### **Operating Pressure**

+3000 Pa (max)

#### Standard Length

#### Packing

Special design cardboard box

#### Reaction to Fire

Difficult to ignite

#### Certificates





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**Jacket Construction** 

1 ply aluminium 2 ply polyester

Nominal Thickness of Jacket

45 micron

Insulation - Thickness - Density

Glass wool - 25 mm - 16 kg/m

Glass wool - 50 mm - 16 kg/m 3

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)





#### SONOAFS-ALU.F ECOSOFT

Inner Duct Construction

3 ply aluminium perforated ply polyester

Nominal Thickness of Inner Duct

**Jacket Construction** 1 ply aluminium

2 ply polyester

Nominal Thickness of Jacket

45 micron

Insulation - Thickness - Density

Glass wool - 25 mm - 16 kg/m<sup>3</sup> Glass wool - 50 mm - 16 kg/m<sup>3</sup>

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)

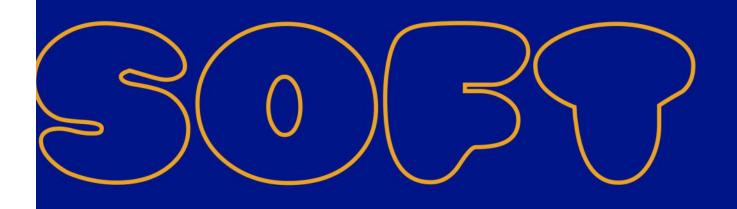




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### VOC and Formaldehyde emissions of AFS flexible air ducts based on ISO 16000.

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< td=""><td>&lt; 200</td><td>A+</td></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< td=""><td><b>&lt;</b>750</td><td>A+</td></lq<>	<b>&lt;</b> 750	A+
2- butoxyethanol	111-76-2	< LD	<1000	A+
Styrene	100-42-5	<lq< td=""><td>&lt;250</td><td>A+</td></lq<>	<250	A+
TVOC	( <del>-</del> )	11	<1000	A+
tesulting emission class				A+

<sup>\*</sup> Total Volatile Organic Compound Exposure concentrations at 28 days (µg.m<sup>-3</sup>) from SONOAFS-ALU.70 ECOSOFT ventilation duct and resulting emission class (LD: detection limit, LQ: quantification limit)







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#### ABSENCE OF RELEASE OF CMR COMPOUNDS

Compounds	<b>CAS</b> 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 (µg.m<sup>-3</sup>) from SONOAFS-ALU.70 ECOSOFT ventilation duct (LD: detection limit, LQ: quantification limit)



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\*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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