FLEXIBLE AIR DUCTS

Exposure concentrations at 28 days (µg.m-3) from SONOAFS-ALU.70 ECOSOFT ventilation duct and resulting emission class (LD: detection limit, LQ: quantification limit)

175 ecosoft







That's because the natural brown colour represents a level of sustainability and handling never before achieved. The colour comes from ECOSE® Technology, a revolutionary, new sustainable binder born from 5 years of intensive research. Made from rapidly renewable organic materials rather than oil based chemicals commonly used in other insulation products, ECOSE® Technology reduces binder embodied energy by up to 70%.

Combined with the brown colour comes a new 'super soft' feel, which in conjunction with the same reliable thermal and acoustic performance you have come to expect from glasswool, result in the next generation of energy saving insulation.

Made using sand and recycled glass bottles combined with ECOSE® Technology, new glasswool does not contain artificial colours or added formaldehyde, resulting in environmental credentials above our already A+ rated products in the Green Guide, and also in full compliance with 'formaldehyde free' specifications.

VOC and Formaldehyde emisions of AFS flexible air ducts based on ISO 16 000.

Compounds	Cas Number	Cexp at 28 days	Emission class
Formaldehyde	50-00-0	4	A+
Acetaldehyde	75-07-0	1	A+
Toluene	108-88-3	<1	A+
Tetrachlorethylene	127-18-4	<ld< td=""><td>A+</td></ld<>	A+
Xylene	108-38-3	<lq< td=""><td>A+</td></lq<>	A+
1,2,4-trimethylbenzene	95-63-6	<1	A+
1,4-dichlorobenzene	106-46-7	<ld< td=""><td>A+</td></ld<>	A+
Ethylbenzene	100-41-4	<lq< td=""><td>A+</td></lq<>	A+
2-butoxyethanol	111-76-2	<ld< td=""><td>A+</td></ld<>	A+
Styrene	100-42-5	<lq< td=""><td>A+</td></lq<>	A+
TVOC*	-	11	A+
Resulting emission cl	ass		A+

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

TECHNICAL PROPERTIES

TYPE	ISOAFS-ALU.70 ECOSOFT	ISOAFS-ALU.F ECOSOFT
Inner Duct Construction	3 ply aluminium + 2 ply polyester	3 ply aluminium + 1 ply polyester
Jacket Construction	1 ply aluminium + 2 ply polyester	1 ply aluminium + 2 ply polyester
Nominal Thickness (Inner Duct / Jacket)	70 micron / 45 micron	74 micron / 45 micron
Available diameters	Ø 52 mm - Ø 800 mm	Ø 82 mm - Ø 800 mm
Temperature range	-30 °C / +150 °C	-30 °C / +250 °C
Air velocity	30 m/s (max)	30 m/s (max)
Operating pressure	3000 Pa (max)	3000 Pa (max)
Insulation	glass wool 25mm - 16 kg/m ³	glass wool 25mm - 16 kg/m³
Standard length	10 m	10 m
Packing	Single cardboard box	Single cardboard box
FIRE CERTIFICATE		
France	M1	M0/M1

Class B-s1, d0

EU EN 13501-1



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) (text in French)

CSTB Test report n° SC-15-030

ABSENCE OF RELEASE OF CMR COMPOUNDS

Compounds	Cas Number	Cexp at 28 days
Trichlorethylene	79-01-6	<ld< td=""></ld<>
Benzene	71-43-2	<lq< td=""></lq<>
Bis(2-ethylhexyl) phthalate	117-81-7	<lq< td=""></lq<>
Dibutylphtalate	84-74-2	<lq< td=""></lq<>
Compliance with Order	'S	YES

Release of CMR compounds: exposure concentrations at 28 days (µg.m-3) from SONOAFS-ALU.70 ECOSOFT ventilation duct (LD: detection limit, LQ: quantification limit)

easy to handle, saving labor costs super soft feel no itchy feeling sentle on the skin super soft feel no irritation on skin high recycles super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no formaldehyde French and super soft feel no irritation on skin no irritation on skin no formaldehyde French and super soft feel no irritation on skin no asy to handle, saving labor costs gentle on the skin high recycled content no formaldehyde contributes to improved indoor air quality no artificial colors no itch no itchy feeling no formaldehyde less dusty no phenol French a+ compliance super soft feel easy to handle, saving I gentle on the skin no phenolophenol no acrylic odorless no phenol Naturally Different no artif quick to recover high recycled content French a+ contributes to improved indoor air quality no formaldehyde high recycled content less dusty French a+ con no formaldehyde gentle on the skin odorless no itchy feeling quick to recover quick to recover

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THERMALLY & ACOUSTICALLY INSULATED ALUMINIUM ECOSOFT **FLEXIBLE AIR DUCTS**



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^{*} Volatile Organic Compound

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FIRE CERTIFICATE		
France	M1	M0/M1
CERTIFICATE		
	Class B-s1, d0	

ÉMISSIONS DANS L'AIR INTÉRIEUR*

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) (text in French)

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FLEXIBLE AIR DUCTS