

# Unique, Quality, Next-Gen



ESBO offers a range of products that are specialized for use cases, designed with the latest technology, accessible and of high quality.

To find the best solutions for your needs, visit our website. esbo.com.tr



### esbo



Globally Patented Products International Certificates Industry Leading Innovative Solutions Professional Technical Team Constant R&D Efforts









sono

Perforated inner surface designed for sound insulation.



According to the results of Ekoteks laboratory, it has 99.9% antimicrobial properties.



It plays an active role in protection from the danger of coronavirus.



#### FULLY LAMINATED ALUMINUM **FLEXIBLE AIR DUCT**

Fully lamination prevents the product from gathering or dusting and forming a thermal bridge.



It can be customized according to different use cases with its design that allows modification.



This product, which is flame-retardant (M1) from the factory, withstands a pressure of 5.000 Pa according to TSE standards.



iZOLESBO is airtight, resistant to stretching and impact.



Standard packaging is 10 meters.

It is unique in its field thanks to its fully laminated self-isolation.

It is an environmentally friendly product produced within the framework of the ESBO sustainability program.

It is not affected by humidity and does not cause allergic effects.









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#### FULLY LAMINATED ALUMINUM FLEXIBLE AIR DUCT



Fully lamination prevents the product from gathering or dusting and forming a thermal bridge.

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It can be customized according to different use cases with its design that allows modification.



This product, which is flame-retardant (M1) from the factory, withstands a pressure of 5.000 Pa according to TSE standards.



İZOLESBO is airtight, resistant to stretching and impact.



Standard packaging is 7,5 meters.



It is unique in its field thanks to its fully laminated self-isolation.





It is not affected by humidity and does not cause allergic effects.



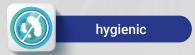






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#### FULLY LAMINATED ALUMINUM FLEXIBLE AIR DUCT

Fully lamination prevents the product from gathering or dusting and forming a thermal bridge.



It can be customized according to different use cases with its design that allows modification.



Withstands a pressure of 5.000 Pa according to TSE standards.



İZOLESBO is airtight, resistant to stretching and impact.



Standard packaging is 7,5 meters.

It is unique in its field thanks to its fully laminated self-isolation.



It is an environmentally friendly product produced within the framework of the ESBO sustainability program.

It is not affected by humidity and does not cause allergic effects.



# Breathe Healthy!



**Test Method:** ISO 22196 : 2011 **Microorganism:** Escherichia coli ATCC 8739 Gram (-)



#### HYGIENIC

Hygienic products are %99,9 antimicrobial according to Ekoteks Laboratory results, thanks to the special inner coating.









sono

Perforated inner surface designed for sound insulation.



uninsulated

Standard flexible air duct



According to the results of Ekoteks laboratory, it has 99.9% antimicrobial properties.



It plays an active role in protection from the danger of coronavirus.



#### **ALUMINUM FLEXIBLE AIR DUCT**

It can be customized according to different use cases with its design that allows modification.



Withstands a pressure of 5.000 Pa according to TSE standards.



EKOESBO is airtight, resistant to stretching and impact.



Standard packaging is 10 meters. Varies according to customer demand.

It is an environmentally friendly product produced within the framework of the ESBO sustainability program.



It is not affected by humidity and does not cause allergic effects.



Standard insulation material is glasswool 25 mm (R-4.2). Can also be 40 mm (R-6), 50 mm (R-8) and fiberwool according to customer demand.











sono

Perforated inner surface designed for sound insulation.



uninsulated

Standard flexible air duct



According to the results of Ekoteks laboratory, it has 99.9% antimicrobial properties.



It plays an active role in protection from the danger of coronavirus.



#### **ALUMINUM FLEXIBLE AIR DUCT**

It can be customized according to different different use cases with its design that allows modification.



Withstands a pressure of 5.000 Pa according to TSE standards.

EKOESBO Plus is airtight, resistant to stretching and impact.



Standard packaging is 10 meters. Varies according to customer demand.

It is an environmentally friendly product produced within the framework of the ESBO sustainability program.



It is not affected by humidity and does not cause allergic effects.



Standard insulation material is glasswool 25 mm (R-4.2). Can also be 40 mm (R-6), 50 mm (R-8) and fiberwool according to customer demand.



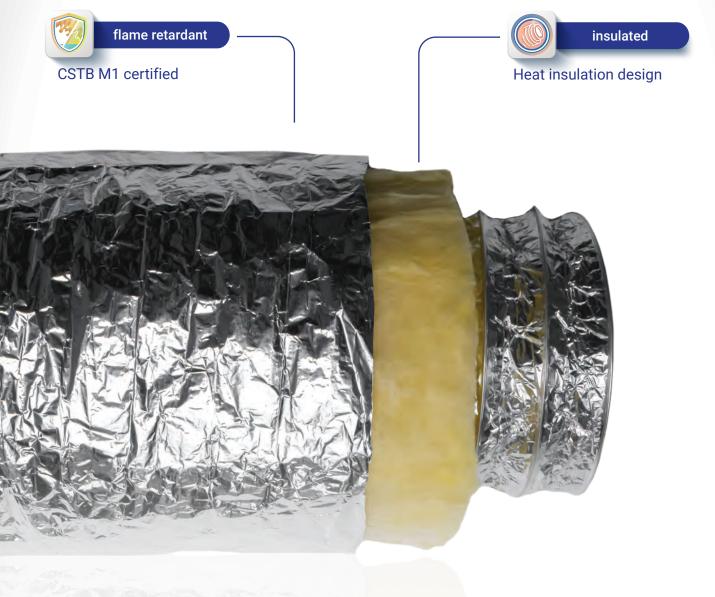
# 12.000 m<sup>2</sup> of anufacturing facil

Esbo flexible air ducts are manufactured at ISIL Inc.'s 12,000 m² facility in Istanbul. These products are exported to over 50 countries across the globe. 

## **R&D and Innovation**

Esbo's R&D department drives the development of its entire product line and production technology. Continual investment in new technologies, guided by IŞIL Inc.'s commitment to "Sustainable Development" reinforces Esbo's position as the market's leading innovation-oriented brand.







sono

Perforated inner surface designed for sound insulation.



uninsulated

Standard flexible air duct



According to the results of Ekoteks laboratory, it has 99.9% antimicrobial properties.



It plays an active role in protection from the danger of coronavirus.



#### FLAME RETARDANT ALUMINUM FLEXIBLE AIR DUCT

It can be customized according to different use cases with its design that allows modification.



This product, which is flame-retardant (M1) from the factory, withstands a pressure of 5.000 Pa according to TSE standards.



LUXESBO is airtight, resistant to stretching and impact.



Standard packaging is 10 meters. Varies according to customer demand



It is an environmentally friendly product produced within the framework of the ESBO sustainability program.

It is not affected by humidity and does not cause allergic effects.



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Standard insulation material is glasswool 25 mm (R-4.2). Can also be 40 mm (R-6), 50 mm (R-8) and fiberwool according to customer demand.





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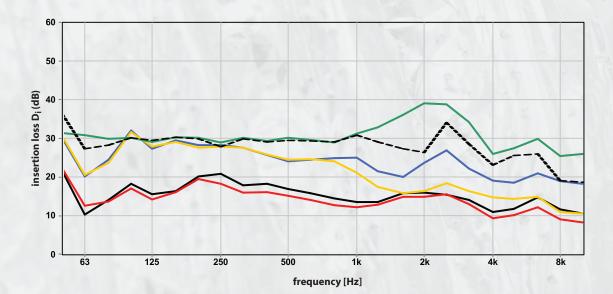




Flexible air ducts that **provide sound insulation** thanks to their perforated designs on their inner surfaces.

	NR.	Rec-Nr.	DESC	RIPTION						
	2	#72	invoe	invoeg; LUXESBO Sono 1,1 m rond 203 (flush rond 200)						
	- 3	#73	invoe	invoeg; M0ESBO Sono 1,1 m rond 203 (flush rond 200)						
-	- 4	#74	invoe	invoeg; LUXESBO Sono 2 m rond 203 (flush rond 200)						
	- 5	#75	invoe	invoeg; M0ESBO Sono 2 m rond 203 (flush rond 200)						
	- 6	#76	invoe	invoeg; LUXESBO Sono 3 m rond 203 (flush rond 200)						
	- 7	#77	invoe	invoeg; M0ESBO Sono 3 m rond 203 (flush rond 200)						
Rec.ı	nr									
#72	13,3	16,6	19,4	16,9	13,8	15,7	12,1	11,9	dB	

dB
dB
dB
dB
dB









sono

Perforated inner surface designed for sound insulation.



uninsulated

Standard flexible air duct



According to the results of Ekoteks laboratory, it has 99.9% antimicrobial properties.



It plays an active role in protection from the danger of coronavirus.

# MO **esbo**

#### FIREPROOF ALUMINUM FLEXIBLE AIR DUCT

It can be customized according to different use cases with its design that allows modification.

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This product, which is fireproof (M0) from the factory, withstands a pressure of 5.000 Pa according to TSE standards.

MOESBO is airtight, resistant to stretching and impact.



Standard packaging is 10 meters. Varies according to customer demand



It is an environmentally friendly product produced within the framework of the ESBO sustainability program.

It is not affected by humidity and does not cause allergic effects.



Standard insulation material is glasswool 25 mm (R-4.2). Can also be 40 mm (R-6), 50 mm (R-8) and fiberwool according to customer demand.







Heat insulation design



economic

High quality with affordable prices.



#### **Add-on Features**



sono

Perforated inner surface designed for sound insulation.



uninsulated

Standard flexible air duct



According to the results of Ekoteks laboratory, it has 99.9% antimicrobial properties.



It plays an active role in protection from the danger of coronavirus.



#### ECONOMIC METALLIZED **POLYESTER FLEXIBLE AIR DUCT**

It can be customized according to different different use cases with its design that allows modification.



Withstands a pressure of 2.500 Pa according to TSE standards.



METESBO is airtight, resistant to stretching and impact.



Standard packaging is 10 meters. Varies according to customer demand.

It is an environmentally friendly product produced within the framework of the ESBO sustainability program.



It is not affected by humidity and does not cause allergic effects.



Standard insulation material is glasswool 25 mm (R-4.2). Can also be 40 mm (R-6), 50 mm (R-8) and fiberwool according to customer demand.











uninsulated

Standard flexible air duct



#### **PVC FLEXIBLE AIR DUCT** (70 MICRON)

It can be customized according to different different use cases with its design that allows modification.



Withstands a pressure of 2.500 Pa according to TSE standards.

GRESBO is airtight, resistant to stretching and impact.



Standard packaging is 6 meters. Varies according to customer demand.



It is an environmentally friendly product produced within the framework of the ESBO sustainability program.



It is not affected by humidity and does not cause allergic effects.



Standard insulation material is glasswool 25 mm (R-4.2). Can also be 40 mm (R-6), 50 mm (R-8) and fiberwool according to customer demand.











uninsulated

Standard flexible air duct



#### **PVC FLEXIBLE AIR DUCT** (100 MICRON)

It can be customized according to different different use cases with its design that allows modification.



Withstands a pressure of 2.500 Pa according to TSE standards.

GRESBO is airtight, resistant to stretching and impact.



Standard packaging is 10 meters. Varies according to customer demand.



It is an environmentally friendly product produced within the framework of the ESBO sustainability program.



It is not affected by humidity and does not cause allergic effects.



Standard insulation material is glasswool 25 mm (R-4.2). Can also be 40 mm (R-6), 50 mm (R-8) and fiberwool according to customer demand.



# INSULATION



Features that provide thermal insulation with rubber, polyethylene, glass wool or fiber insulation













uninsulated

Standard flexible air duct

## now esbo

**NON-WOVEN POLYPROPYLENE** FABRIC CLOTH FLEXIBLE AIR DUCT

It can be customized according to different different use cases with its design that allows modification.



Withstands a pressure of 2.500 Pa according to TSE standards.

NOWESBO is resistant to stretching and impact.



Standard packaging is 10 meters. Varies according to customer demand.

It is an environmentally friendly product produced within the framework of the ESBO sustainability program.



It is not affected by humidity and does not cause allergic effects.



Standard insulation material is glasswool 25 mm (R-4.2). Can also be 40 mm (R-6), 50 mm (R-8) and fiberwool according to customer demand.







moisture barrier

Exterior surface that is not affected by moisture





## combi <mark>esbo</mark>

#### MOISTURE BARRIER PVC + ALUMINUM FLEXIBLE AIR DUCT

It can be customized according to different use cases with its design that allows modification.



Withstands a pressure of 5.000 Pa according to TSE standards.

COMBIESBO is airtight, resistant to
stretching and impact.



C)

Standard packaging is 10 meters. Varies according to customer demand

It is an environmentally friendly product produced within the framework of the ESBO sustainability program.

Ø

It is not affected by humidity and does not cause allergic effects.







#### **Add-on Features**



uninsulated

Standard flexible air duct



#### PARTICLE RESISTANT FLEXIBLE AIR DUCT (300 DENIER)



It can be customized according to different use cases with its design that allows modification.



Withstands a pressure of 10.000 Pa according to TSE standards.

GRESBO is airtight, resistant to stretching and impact.



Standard packaging is 10 meters. Varies according to customer demand



It is an environmentally friendly product produced within the framework of the ESBO sustainability program.



It is not affected by humidity and does not cause allergic effects.



Standard insulation material is glasswool 25 mm (R-4.2). Can also be 40 mm (R-6), 50 mm (R-8) and fiberwool according to customer demand.







Heat insulation design

750 denier PVC

750 denier, particle and tear-resistant inner duct



#### **Add-on Features**



uninsulated

Standard flexible air duct

# UXQI **esbo**

#### PARTICLE RESISTANT FLEXIBLE AIR DUCT (750 DENIER)

It can be customized according to different use cases with its design that allows modification.



Withstands a pressure of 10.000 Pa according to TSE standards.

LUXGRESBO is airtight, resistant to stretching and impact.



Standard packaging is 10 meters. Varies according to customer demand



It is an environmentally friendly product produced within the framework of the ESBO sustainability program.



It is not affected by humidity and does not cause allergic effects.



Standard insulation material is glasswool 25 mm (R-4.2). Can also be 40 mm (R-6), 50 mm (R-8) and fiberwool according to customer demand.







flame retardant

#### **PVC** KUGAR





KUGAR with 750 denier PVC material, galvanized or stainless steel sheet options for use in duct applications.



0,40 mm galvaniz / stainless sheet, 750-PVC denier polyester fabric



This product, which is flame retardant from the factory, is resistant to temperatures up to 80°C.

Airtight, resistant to stretching and
impact.

PVC KUGAR product is airtight and resistant to UV rays.



Standard packaging is 25 meters.



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It is an environmentally friendly product produced within the framework of the KUGAR sustainability program.

It is not affected by humidity and does not cause allergic effects.





目目目目

### **CANVAS** KUGAR



KUGAR with moisture-proof canvas weaving, galvanized or stainless steel options for use in duct applications.



0,40 mm galvaniz / stainless sheet, 500 gr/m<sup>2</sup> moisture-proof canvas woven fabric



Is resistant to temperatures up to 80°C.

 $\overline{\phantom{a}}$ 

Airtight, resistant to stretching and impact.

Canvas KUGAR product is airtight and
resistant to UV rays.

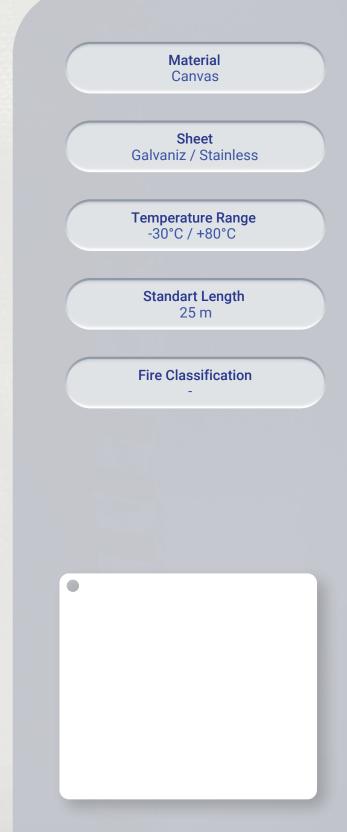


Standard packaging is 25 meters.



It is an environmentally friendly product produced within the framework of the ESBO sustainability program.

It is not affected by humidity and does not cause allergic effects.







fireproof



#### SILICON FIREPROOF KUGAR



KUGAR with fireproof and moisture-proof glass fiber woven canvas material, galvanized or stainless steel sheet options for use in duct applications.



570 gr/m<sup>2</sup> Silicon coated on both sides, fireproof and moisture proof glass fiber woven fabric

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This product, which is fireproof from the factory, is resistant to temperatures up to 260°C.

Airtight, resistant to stretching and
impact.

Silicon Fireproof KUGAR product is airtight and resistant to UV rays.

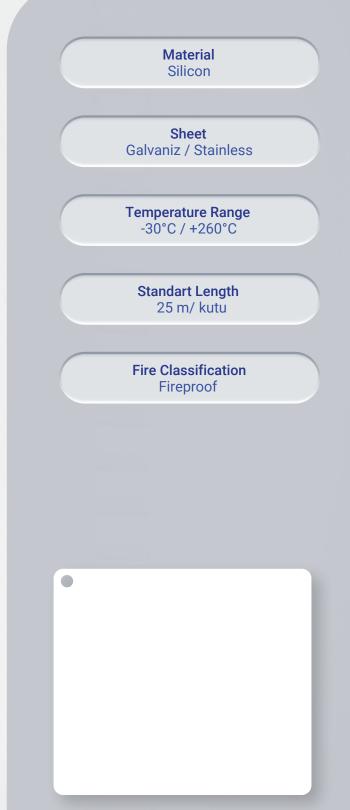


Standard packaging is 25 meters.

B

It is an environmentally friendly product produced within the framework of the ESBO sustainability program.

It is not affected by humidity and does not cause allergic effects.





#### PU FIREPROOF KUGAR





KUGAR with PU material on both sides, galvanized or stainless steel options for use in duct applications.



530 gr/m<sup>2</sup> PU coated on both sides, fireproof and moisture proof glass fiber woven fabric

<u>E</u>

This product, which is fireproof from the factory, is resistant to temperatures up to 100°C.

 Airtight, resistant to stretching and — impact.

PU Fireproof KUGAR product is airtight and resistant to UV rays.



Standard packaging is 25 meters.

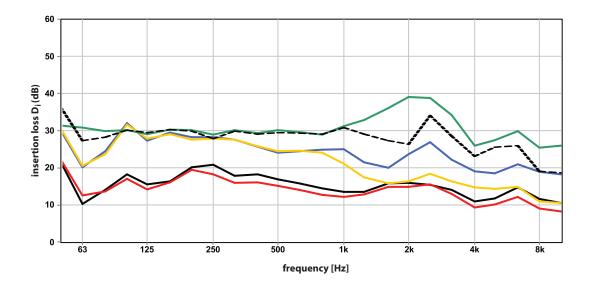
It is an environmentally friendly product produced within the framework of the ESBO sustainability program.

It is not affected by humidity and does not cause allergic effects.







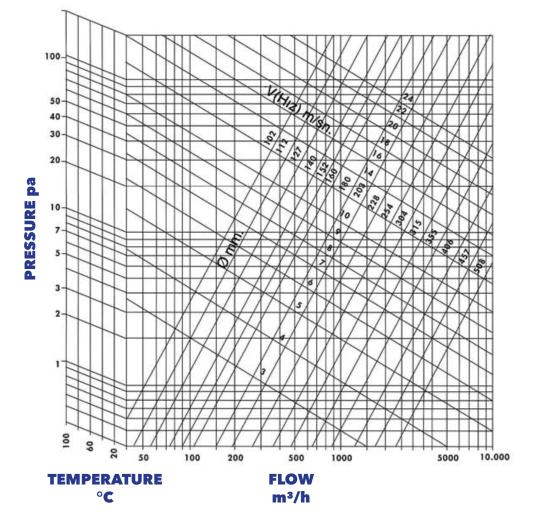




#### CERTIFICATES



#### **PRESSURE LOSS** DIAGRAM





### **、+90 532 171 36 04**

✓ info@argasgroup.com



