

ACOUSTIC

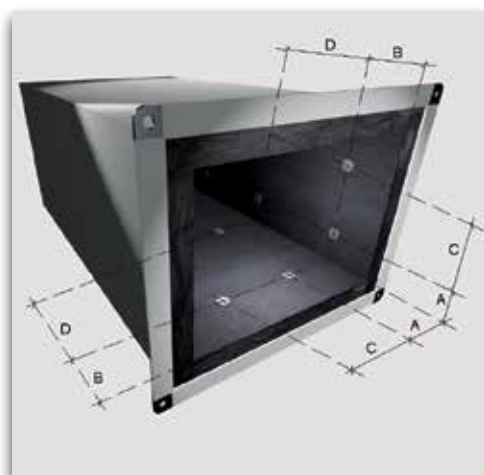


It is a black glass wool blanket faced with acrylen on one side. It is used for the sound insulation, thermal insulation and fire safety of ventilating and air conditioning ducts.

Application

Before İzocam Acoustic is applied, duct surfaces to be used are cleaned to make sure the surface is free from dust and grease. The duct to be insulated should be measured inside to inside. Attention should be paid to the insulation thickness and İzocam Acoustic should be cut in accordance with the measurement. Self adhesive fixing pins are placed into the duct according to the air flow velocity. Special adhesive is spread over the duct surface by the help of a brush and the boards cut to be used are laid over. All transverse and longitudinal joints should be sealed to ensure they fit properly and no gap is left. Lock washers should be put over pins. Length of pins should assure minimum 10 % compression of insulation thickness. Excess ends of the pins should be snipped off.

Thickness (cm)	Width x Length (cm)	Package (m ²)
1,5	122 x 2000	24,40
2,5	122 x 1600	19,52



Pin Distances

Airflow Velocity (m/s) (feet/min.)	0 - 12,7 (0 - 2500)
A	102 mm (4")
B	76 mm (3")
C	305 mm (12")
D	457 mm (18")

- High sound insulation
- High thermal insulation
- Fire safety
- Lightweight



TECHNICAL DATA SHEET

izocam Acoustic

Properties	Symbol	Unit	Description					Tolerance	Standard	
Material	-	-	Glass Wool (Black Painted)					-	TS EN 14303	
Density	ρ	kg/m ³	24	32				+/-10%	-	
Width	w	mm	1220					+/-10	TS EN 822	
Length	l	mm	16000	20000				+ ∞ ; -0	TS EN 822	
Thickness	t	mm	25	15				T3 **	TS EN 823	
Facing	-	-	Black Glass Tissue	Acrylene				-	-	
Reaction to fire	-	-	A1	A2-s3,d0				-	TS EN 13501-1	
Declared Thermal Conductivity	T	°C	10	25	50	75	100	-	TS EN 12667/12939	
	24 kg/m ³	λ_D	W/m.K	0,034	0,036	0,041	0,044			0,048
	32 kg/m ³			0,032	0,036	0,041	0,044			0,048
Specific Heat *	c	kJ/(kg.K)	0,84					-	EN 12524	
Dynamic Elasticity *	Edyn	kN/m ²	0,8					-	DIN 52114	
Packaging Material	-	-	PE Film					-	-	
Other Information	Product is packaged on rigid bobbin. Maximum service temperature is 200 °C on glass tissue faced side. Maximum service temperature is 150 °C on acrylene faced side.									

* Literature value.

** T3: -3% or -3 mm; +10% or 10 mm. The biggest value is chosen at minus tolerance, the smallest value is chosen at plus tolerance.

Safety Reminders for Loading, Unloading, Shipping and Storing

- These operations should be done indoors in case of rainy weather conditions.
- Loading and unloading should be done by (at least) two people.
- Products should be put on top of each other with extra care.
- Only backshutter of the truck body should be opened during unloading.
- Unloading should be carried out from backside to the front.
- Products should be wrapped by a waterproof cover even if the shipping distance is short.
- Products should not be put into upright position during shipping and storing.
- Storing should be carried out by using pallets. But they should not superposed with pallets.
- Products should not be pulled by their package.
- Products should not be stepped on and should not be used as steps.
- The packages should be put on the floor with extra care so the corners of the product especially is not damaged by a hit.



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