

PREFABRICATED DUCT



It is a glass wool board faced with aluminium foil on one side and black glass tissue on the other side or faced with aluminium foil on both sides. It is used for all the buildings that need ventilating and air conditioning ducts. Owing to its vibration absorbing performance, it is used for the buildings in which it is preferred that HVAC equipments run quietly. The duct is also used for multi storey buildings regarding to fire safety since it is noncombustible.

Application

Prefabricated Duct is easily assembled at the construction site. The boards are marked to be cut according to the sizes of the edges. Folding grooves are formed by cutting with special tools following the markings. The board is folded into a duct from the grooves. After the joints are stapled they are sealed with a tape. Each duct is joined to each other on the floor. The holes are opened and with the help of a member it is hung where it needed to be. It is possible to use all kinds of hanging methods and accessories for the installation. İzocam Prefabricated Duct should not be used in a place where the relative humidity exceeds 95 %. The boards should be used in the systems where maximum air velocity is 12 m/sn, maximum internal pressure is 51 mmSS, maximum edge length is 2,4 m.

Thickness (cm)	Width x Length (cm)	Package (m ²)
2,5	122 x 290	21,228



- High thermal insulation
- High sound insulation
- Fire safety
- Lightweight
- Fast and easy installation



TECHNICAL DATA SHEET

İzocam Prefabricated Duct

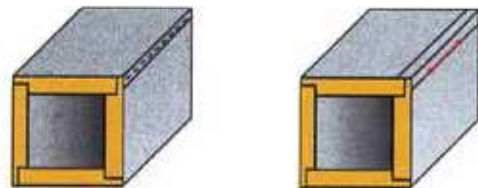
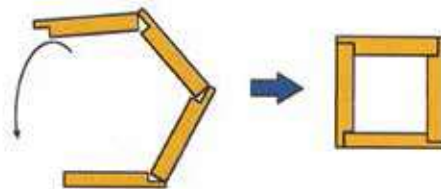
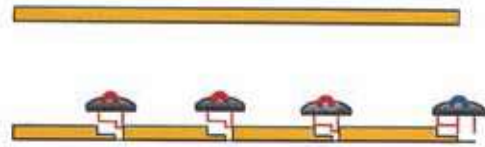
Properties	Symbol	Unit	Description					Tolerance	Standard
Material	-	-	Glass Wool					-	TS EN 14303
Density	ρ	kg/m³	72					± 10%	-
Width	w	mm	1220					± 1,5%	TS EN 822
Length	l	mm	2900					± 2%	TS EN 822
Thickness	t	mm	25					T5 **	TS EN 823
Facing	-	-	Outer side faced with al-foil, Inner side with black glass tissue		Both side faced with Alu-foil			-	-
Reaction to fire	-	-	C-s1,d0					-	TS EN 13501-1
Declared Thermal Conductivity	T	°C	10	25	50	75	100	-	TS EN 12667/12939 13787
	λ _D	W/m.K	0,031	0,033	0,036	0,039	0,042		
Specific Heat *	c	kJ/(kg.K)	0,84					-	EN 12524
Dynamic Elasticity *	Edyn	kN/m²	0,8					-	DIN 52214
Packaging Material	-	-	Carton Box					-	-
Other Information	Both sides can be faced with aluminium foil. Tapes must be suitable for UL-181 standard.								

* Literature value.

** T5: -1% or -1 mm; +3 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 wrapped by a waterproof cover even if the shipping distance is short.
- Products should not be superposed with pallets.
- Products should not be put into upright position.
- Products should not be stepped on and should not be used as steps.
- Products should not be pulled by their package.
- Before binding, hard cardboards (minimum 20 x 50 cm) should be put on the corners of packages to protect against possible damages by ropes.
- Storage area should be protected against any wet threats such as rain, float, etc. Indoor spaces should be preferred.
- The packages should be put on the floor with extra care so the corners of the product especially is not damaged by a hit.
- The instructions on the packages should be followed.



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