

İZOCAMFLEX SHEET

AL / KY / AL-KY



It is an elastomeric rubber based insulation material in the form of sheet with closed cell structure. It is manufactured to be used for air conditioning, heating and cooling systems. It can be faced with aluminium foil and can be self-adhesive.

Application

It is used on the exterior surfaces of the ducts and large diameter pipe lines in the heating, cooling and air conditioning systems for thermal insulation and condensation control purposes. For the spaces where there is heat transfer by radiation, using products faced with aluminium foil is recommended. The sheets are adhered to the duct surface by using a special adhesive that İzocam suggested. Joints should be tightly sealed and they should be covered with insulation tape afterwards if necessary. Taping should not result in thickness loss. For the application of self adhesive sheets there is no need to use any adhesive. The application should be protected against disruption and rupture. For the applications exposed to the sun, definitely a protective coat or a protective paint should be used. For indoor spaces getting natural sun, the products faced with aluminium foil can be used without requiring any coating against UV affect. For the outdoor applications, the surface should be coated within 5 days.

Thickness (mm)	Width x Length (mm)	Package (m ²)
6	1000 x 36000	36
9	1000 x 24000	24
13	1000 x 18000	18
19	1000 x 12000	12
25	1000 x 9000	9
32	1000 x 7000	7
40	1000 x 6000	6
50	1000 x 5000	5



- High thermal insulation
- High condensation control
- CFC free
- Environment friendly
- Highly flexible



TECHNICAL DATA SHEET

izocamflex Sheet

Properties	Symbol	Unit	Description						Tolerance	Standard	
Material	-	-	Elastomeric Rubber Foam						-	TS EN 14303	
Material Type	-	-	izocamflex Board	izocamflex AL	izocamflex KY	izocamflex AL-KY			-	-	
Facing	-	-	Unfaced	Al-foil (18 μ , reinforced, non-combustable)	Self adhesive film.	Al-foil, Self adhesive film.			-	-	
Reaction to fire	-	-	B-s3,d0	C-s3,d0					-	TS EN 13501-1	
Max. Service Temperature	-	°C	-50 / 105			-50 / 85			-	-	
Length	l	mm	3000 \leq L \leq 60000						\pm 1,5 %	EN 822	
Width	w	mm	1000						\pm 2 %	EN 822	
Thickness	t	mm	6 \leq d _D \leq 50 *						d \leq 6	\pm 1,0	EN 823
									6 < d \leq 19	\pm 1,5	
									d > 19	\pm 2,0	
Declared Thermal Conductivity	T	°C	-20	0	20	40	60	80	-	TS EN 12667	
	λ_D	W/m.K	0,034	0,036	0,038	0,040	0,043	0,045			
Water Vapor Diffusion Resistance Factor	μ	-	\geq 7000						-	EN 12086	
Resistance to Oils	-	-	Good						-	-	
Resistance to Weather Conditions	-	-	Good						-	-	
Flexibility	-	-	Excellent						-	-	
Fungal Growth	-	-	None						-	-	
Packaging Material	-	-	Carton Box						-	-	
Other Information	izocamflex composed of more than 95 % closed cells. It is appropriate to DIN 1988/7 relating to corrosion. Product contains less than 0,2 % ammonium and less than 0,05 % chlorine ion that dissolved in water.										

* Standard product dimensions d_Dxl (mm):
6x15000, 9x10000, 13x8000, 19x6000, 25x4000, 32x3000, 50x5000; b (mm):1000

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.
- The products should be wrapped by a waterproof cover during shipping.
- Boxes should be carried by their handles.
- When the boxes piled in the truck body are being tied up hard padding (wood, cardboard, etc.) should be put on the corners of the packages to protect them against possible damages by ropes.
- The corners should be aligned when the boxes are superposed.
- Only backshutter of the truck body should be opened during unloading.
- Storing should be done indoors and the boxes should be put over flat floor.
- Maximum 6 boxes of the sheets with 6, 9, 13, 19, 25 and 32 mm thickness should be superposed. Maximum 3 boxes of the sheets with 40 and 50mm thickness should be superposed.
- Boxes should not be put into upright position.
- Boxes should not be stepped on and should not be used as steps.
- Products should not be unloaded by pushing or throwing from the truck.
- The truck should not be moved without wrapping and binding the boxes.
- The products should not be exposed to sun.
- Storage area should not be wet.

Izocam is not responsible for any problem because of misprinting. Izocam, the manufacturer, reserves the right to alter product specifications without prior notice. Izocam also manufactures special products upon request. For your requirements, you are requested to contact our Export Department.



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