

# DUCT BLANKET



It is a glass wool blanket faced with aluminium foil on one side with 5 cm flaps along the edges. It is used for the external thermal insulation of ventilating and air conditioning ducts.

## Application

Before the boards are applied, duct surfaces to be used are cleaned to make sure the surface is free from dust and grease. Special self adhesive fixing pins offer fast and easy application. How the blankets are cut depends on the shape of the duct. For the rectangular shaped duct system the blanket length to be cut should be determined as follows: The external perimeter of the duct + (8 x blanket thickness) + 5 cm. For the cylindrical shaped duct system the blanket length to be cut should be determined as follows: The external perimeter of the duct + (2 x blanket thickness) + 5 cm. The 5 cm flap provides the cover of the longitudinal joints after the glass wool is removed from aluminium foil. After the blankets are cut, special self adhesive pins are (5-6 pins per m<sup>2</sup>) fixed on the duct system. Then the blankets are impaled over the pins. Blankets are held in position by retaining washers. The flap on the materials is then fixed by adhering, stapling or self adhesive aluminium foil tape.

Thickness (cm)	Width x Length (cm)	Package (m <sup>2</sup> )
2,5	110 x 2000	22,00
5	110 x 1000	11,00



- High thermal insulation
- Fire safety
- Sound insulation
- Easy to apply
- Lightweight



# TECHNICAL DATA SHEET

## izocam Duct Blanket

Properties	Symbol	Unit	Description					Tolerance	Standard
Material	-	-	Glass Wool					-	TS EN 14303
Density	ρ	kg/m³	24					+/-10%	-
Width	w	mm	1100					+/-10	TS EN 822
Length	l	mm	20000		10000			- 0 ; + ∞	TS EN 822
Thickness	t	mm	25		50			T1 **	TS EN 823
Facing	-	-	Al-foil					-	-
Reaction to fire	-	-	C-s1,d0 ***					-	TS EN 13501-1
Declared Thermal Conductivity	T <sub>ort</sub>	°C	10	25	50	75	100	-	TS EN 12667/12939 13787
	λ	W/m.K	0,035	0,036	0,041	0,047	0,053		
Specific Heat *	c	kJ/(kg.K)	0,84					-	EN 12524
Dynamic Elasticity *	Edyn	kN/m²	0,8					-	DIN 52214
Packaging Material	-	-	PE Film					-	-
Other Information	Maximum service temperature on the side faced with aluminium foil is 90 °C.								

\* Literature value.

\*\* T1: -5% or -5 mm; + $\infty$ . The biggest value is chosen at minus tolerance, the smallest value is chosen at plus tolerance.

\*\*\* Non combustible Alu-foil faced blankets classified as A1.

### 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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