SHIP BLANKET

Sound Insulation · Fire Safety · Thermal Insulation

It is a stone wool blanket used in ship and sea construction, cofferdam walls, fire partitions, fire doors and ship interior installations for sound insulation and fire safety purposes.

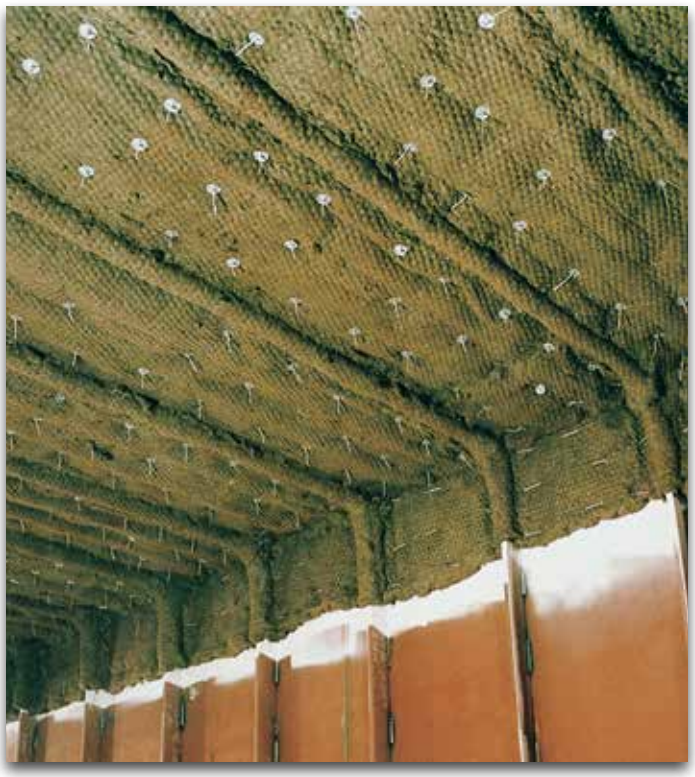
Application

Noncombustibility of Stone Wool Ship Blankets enables them to be used for thermal, sound and fire insulation of very high temperatures. The blankets are cut to size and wrapped around the surface to be insulated. The joints are laced with galvanized wire by passing it through the eyes of the wiremesh. Care should be taken to ensure that the joints fit properly and no gap is left at the joints. During the application on large surfaces, the blankets should be impaled over welded pins of 5-6 in number per square meter. The blankets are held in position by placing retaining washers over the pins. These pins also work as spacers for the insulation between the sheet metal cover and the insulated surface.

There are 2 different blanket types available as Marine Firebatts 32 (MF 32), Marine Wired Mat 80 (MWM 80).

	Thickness (cm)	Width x Length (cm)	Package (m^2)
MF 32	5	120 x 500	6,00
	6	120 x 500	6,00
	8	120 x 500	3,60
	10	120 x 500	3,60
MWM 80	3	100 x 800	8,00
	4	100 x 800	8,00
	5	100 x 500	5,00
	6	100 x 500	5,00
	8	100 x 300	3,00
	10	100 x 300	3,00

Type			MF 32	MWM 80
Density (kg/m^3)			32	80
Declared Thermal Conductivity (W/mk)	Avarage Temperature (°C)	50	0,055	0,038
		100	0,073	0,047
		150	0,098	0,058
		200	0,123	0,069
		250	-	0,083
		300	-	0,098
		350	-	0,115



- *High thermal insulation*
- *Tested according to IMO 754 A18*
- *Fire safety*

TECHNICAL DATA SHEET

İzocam Ship Blanket

Properties	Symbol	Unit	Description	Tolerance	Standard
Material	-	-	Stone Wool	-	-
Material Type	-	-	MF32 / MWM80	-	-
Density	ρ	kg/m³	32 / 80	+/-10%	-
Facing	-	-	Al-foil / Galvanized Wire	-	-
Width	W	mm	1200 / 1000	+/-10	TS EN 822
Length	L	mm	3000 - 5000 - 8000	-0, +∞	TS EN 822
Thickness	t	mm	30 / 40 / 50 / 60 / 80 / 100	-5% or -5 mm +15% or 15 mm	TS EN 823
Reaction to fire	-	-	A1	-	TS EN 13501-1
Declared Thermal Conductivity	T_m	°C	50 / 100 / 150 / 200 / 250 / 300 / 350	-	TS EN 12667 TS EN 12939
MF 32	λ	mW/m.K	55 / 73 / 98 / 123 / - / - / -		
MWM 80	λ	mW/m.K	38 / 47 / 58 / 69 / 83 / 98 / 115		
Max. Service Temperature	-	°C	350 / 650	-	TS EN 14706
Water Vapor Diffusion Resistance Coefficient	μ	-	1	-	DIN 52615
Compressive Strength	σ	kPa	N.A.	-	-
Water Absorption	-	(v/v) %	1,50 / 2,00 / 2,50 / 3,00 / 4,00 / 5,00	-	ASTM C 272
Packaging Material	-	-	PE Film	-	-
Other Information	Aluminium foil faced blankets can be manufactured, if required. MF 32 and MWM 80 ship blankets have “EC Type Non-Combustible Materials” certificate.				

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.

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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ZERO GLOBAL WARMING POTENTIAL
ZERO OZONE DEPLETION POTENTIAL
EUCEB