

## IW-WMB

### ● PRODUCT INTRODUCTION

IW-WMB wired blanket made from natural stone , melting at 1450 °C, centrifugal injection to kind of mineral fiber, add some thermosetting adhesives and additives etc, with the performance of non-combustible, non-toxic, low thermal conductivity, hydrophobic, sound absorption, etc. Wired blanket is suitable for heat insulation, fire prevention and sound absorption and noise reduction of large pipe network, large storage tanks, containers, furnaces and air pipes, especially used for high temperature and vibration places or places with high requirements on fire prevention.

### ● PRODUCT PERFORMANCE

IW-WMB wired blanket is high temperature resistance, good hydrophobicity, high corrosion resistance and low thermal conductivity, can provide the highest level of protection against heat and energy loss in the field of building, commercial, petrochemical, power plants, industrial tanks and equipment, to avoid fire, noise and other harmful effects.





### ● PRODUCT PACKING

IW-WMB wired blanket is packed in heat shrinkage PE film. It can be cut into any length and tightly wrapped on the insulation equipment. The edges need to be joined together, leaving no gaps, and held together with steel wire. IW-WMB can be fixed on the equipment with band or wire.

### ● PRODUCT SPECIFICATION

Thickness	IW-WMB 60	IW-WMB 80	IW-WMB 100	IW-WMB 120	IW-WMB 128	IW-WMB 150
25-50mm	5mx600mm	5mx600mm	5mx600mm	5mx600mm	3mx600mm	3mx600mm
50-100mm	3mx600mm	3mx600mm	3mx600mm	3mx600mm	3mx600mm	3mx600mm
Wire mesh	Galvanized or stainless steel 304/316 (1"x24# or 1"x22#)					
Optional width	1000mm or 1200mm					
Remark	Thickness above 100mm, recommend multi-layers					

● TECHNICAL DATA ( ASTM C592)

Item name	Test Method	Standard Value	Test Value
Length Tolerance	ASTMC592-16	-0mm, excess permitted	3000-5000mm
Width Tolerance	ASTMC592-16	±12.7mm	600mm
Thickness Tolerance	ASTMC592-16	-0mm, excess permitted	25-100mm
Thermal conductivity 24°C	ASTMC592-16 ASTM C177-19	≤0.036 W/(m·K)	0.034 W/(m·K)
Thermal conductivity 93°C		≤0.049 W/(m·K)	0.042 W/(m·K)
Thermal conductivity 149°C		≤0.06 W/(m·K)	0.05 W/(m·K)
Thermal conductivity 260°C		≤0.092 W/(m·K)	0.07 W/(m·K)
PH	ASTM C795-08	< 12.5	8.4
Non-Fibrous (Shot) content(%)	ASTMC592-16	≤25	14
ω(Cl-)%	ASTMC795-08 ASTMC871-11	When ω(SiO32-)+ ω(Na+)=0.15%, ω(Cl-)+ω(F-)<0.019%	0.0004
ω(F-)%			0.0045
ω(SiO32-)%			0.14
ω(Na+)%			0.0071
Maximum Flame Spread Index	ASTM E84-18	≤ 25	0
Maximum Smoke-developed Index	ASTM E84-18	≤ 50	0
Water Vapor Sorption by Weight (%)	ASTMC592-16	≤5.0	1.4
Linear Shrinkage (%)	ASTMC592-16	≤4.0	2.28
Resistance to Fungi	ASTM C592-16 ASTMC1338	Growth no greater than that a comparative item	No growth apparent under 40 Times magnification
Severice Temperature	ASTMC592-16	No warping, flaming, glowing, Smoldering and smoking	650°C
Corrosiveness to Steel	ASTM C592-16 ASTM C665-17	> 21	35
Corrosiveness to Aluminum			27.5
Corrosiveness to Copper			24.5
Non-combustibility	EN13162:2012+A1:2015		non-combustibility