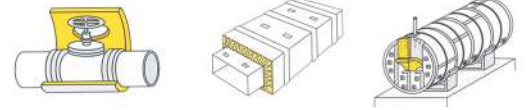


MicroRock

Industrial Insulation



Wired Mesh Series



MicroFiber®

General Product Information

MicroRock Wired Mesh is particularly suitable for industrial insulation. It has the main properties in terms of high heat resistance, water resistance, sound absorption and fire resistance.



MicroRock[®] Wired Mesh

General Product Properties

MicroRock Wired Mesh is designed for industrial applications. It is able to withstand medium to high pressure point. It also has good corrosion resistance and low thermal conductivity.

Facings

MicroRock Wired Mesh comes with galvanized wired mesh and stainless steel wired mesh (made-to-order)

Common Applications

MicroRock Wired Mesh is specifically designed to meet thermal resistance and sound absorption standards for large pipes, tanks, boilers, high-pressure steam pipes, and pipes in large production processes. It is suitable for production process that required high temperature combined with vibrations or fire resistance.

Densities and Dimensions

MicroRock Wired Mesh is available in three models, which has different level of heat resistance according to size and application: MR-WM9500, MR-WM9600 and MR-WM9700

Product Type	Unit	MR-WM9500	MR-WM9600	MR-WM9700
Density	Kg/m ³	80	100	128
Size (Thickness 25-100mm)	mm	600 x 5000 x 50	600 x 3000 x 75	600 x 3000 x 100

Note: Please contact company's sales representative for other sizes

Installation

MicroRock Wired Mesh can be cut to the desired length and wrapped tightly around the equipment. The edges of each blanket should be stitched together by using steel wire and jointed closely to eliminate gaps. The product can be secured to the equipment by using with pins or steel bands.



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MicroRock[®] Wired Mesh

Product Specifications and Technical Parameters

	MR-WM9500	MR-WM9600	MR-WM9700	Unit	Standards
Density	80	100	128	kg/m ³	ASTM C167
Thickness	25 - 100			mm.	
Dimension	600 x 5000 x 50	600 x 3000 x 75	600 x 3000 x 100	mm.	
Pre-laminated	Wire Mesh				
Thermal Conductivity				(W/mK)	ASTM C177
23 °C	0.036			-	-
93 °C	0.039			-	-
149 °C	0.046			-	-
204 °C	0.049			-	-
260 °C	0.050			-	-
360 °C	0.057			-	-
371 °C	0.064			-	-
Maximum Service Temperature	650	750		°C	ASTM C411 ASTM C447
Linear Shrinkage	< 2%			-	ASTM C356
Fire Performance	Non-combustible Flame spread = 0 Smoke development = 5			-	ISO EN 1182:2010 BS 476-04 ASTM E84
Water Absorption	< 1			kg/m ²	BS EN 1609:2013
pH Index	< 10			-	ASTM C871
Chloride Content	Less than 10			ppm	ASTM C871

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