

## DESCRIPTION

Micromat® RX is a flexible fiberglass equipment liner with a durable mat facing and an acrylic coating that contains an EPA-registered immobilized antimicrobial agent.

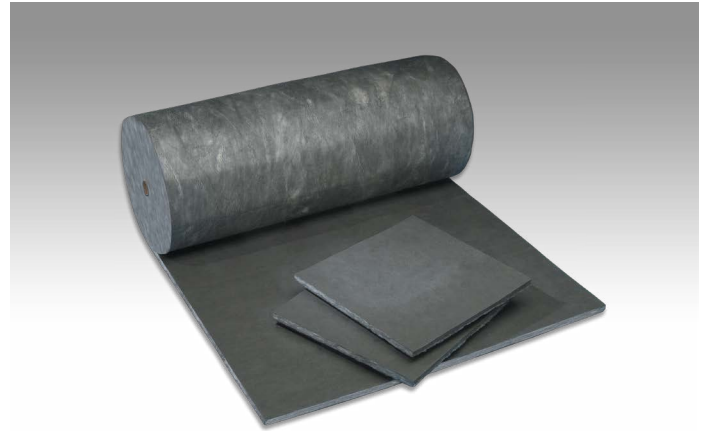
The antimicrobial agent resists the growth of bacteria and fungi. The tough acrylic coating makes Micromat RX resistant to damage and a more practical and cost-effective alternative to double-wall construction. It can be easily cut to any size or shape with a knife, steel rule die, or shears. Micromat RX can be firmly bonded to metals, plastics and other materials with commercial adhesives or mechanical fasteners.

## AVAILABLE FORMS

Density (pcf)	Thickness	Width
1.5	½"	48" - 96" in ½" increments and combination of widths must equal between 135" - 144"
	¾"	
	1"	
2.0	½"	
	¾"	
	1"	

## CUSTOM FABRICATION

The Johns Manville nationwide network of Approved Fabricators specializes in secondary processing to supply custom parts to meet specific customer requirements. Die-cutting, laminating, special packaging and just-in-time delivery are just a few of the multiple capabilities our fabricators can provide.



## SPECIFICATIONS

Temperature Limit	250°F (121°C)
Fire Hazard Classification ASTM E84, UL 723, and CAN/ ULC S102-M88, Meets NFPA 90A and 90B	25 Flame Spread 50 Smoke Developed
Maximum Air Velocity	ASTM C1071 5,000 fpm (25.4 m/sec)
Resistance to Microbial Growth	Meets ASTM C1338, G21 and G22
ASTM C553	Water Absorption

**Resistance to Damage:** The tough coating system makes Micromat RX resistant to damage that can occur during handling, fabrication, installation and maintenance.

**Cleanability:** The tough acrylic coating can handle the abuse of maintenance and cleaning practices listed by NAIMA (North American Insulation Manufacturers Association).

## APPLICATIONS

- Furnaces  
Commercial & Residential
- Air Conditioners
- Mixing Boxes
- Fan Coils

## ADVANTAGES

- Good Thermal Efficiency
- Acoustical Performance
- Antimicrobial Coating
- Easy to Handle and Install
- Uniform Density Distribution
- Good resistance to Air Erosion

**THERMAL PERFORMANCE**

Density*		Thickness		R-value		Conductance	
pcf	kg/m <sup>3</sup>	in	mm	(hr•ft <sup>2</sup> •°F)/Btu	m <sup>2</sup> •°C/W	Btu/(hr•ft <sup>2</sup> •°F)	W/m <sup>2</sup> •°C
1.5	24	1	25	4.2	0.74	0.24	1.36
2.0	32	¾	19	3.2	0.57	0.31	1.77
2.0	32	½	13	2.2	0.38	0.46	2.61

\*Density values are nominal. The density is adjusted to meet the specified thermal conductivity. R-value and Conductance are calculated from the material thermal conductivity tested in accordance with ASTM C518 at 75°F (24°C) mean temperature.

**ACOUSTICAL PERFORMANCE**

Sound Absorption Coefficients (Type "A" Mounting)\*

Density		Thickness		Frequency (Hz)						
pcf	kg/m <sup>3</sup>	in	mm	125	250	500	1000	2000	4000	NRC**
1.5	24	1	25	0.12	0.30	0.63	0.84	0.94	1.00	0.70
2	32	¾	19	0.02	0.19	0.51	0.76	0.94	1.06	0.60
2	32	½	13	0.07	0.20	0.44	0.66	0.84	0.93	0.55

\* Tested in accordance with ASTM C423 and ASTM E795.

\*\*Noise reduction coefficient.



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INFORMATION**

800-654-3103

Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The physical and chemical properties of Micromat RX listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Any references to numerical flame spread or smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions.

**All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville thermal insulation and systems, visit [www2.jm.com/terms-conditions](http://www2.jm.com/terms-conditions) or call (800) 654-3103.**