

Micromat Rx™
HVAC Equipment Liner

Description

Micromat Rx™ is a flexible fiber glass equipment liner with a durable mat facing and an acrylic coating that contains an EPA registered, immobilized antimicrobial agent. 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. 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.

Available Forms: See Micromat Rx purchase guide, MMRX-IS-285 for specific details.

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.

Applications

- HVAC Equipment
 - Furnaces - Commercial and Residential
 - Air Conditioners
 - Mixing Boxes
 - Fan Coils
- Other Equipment

Insulation Properties

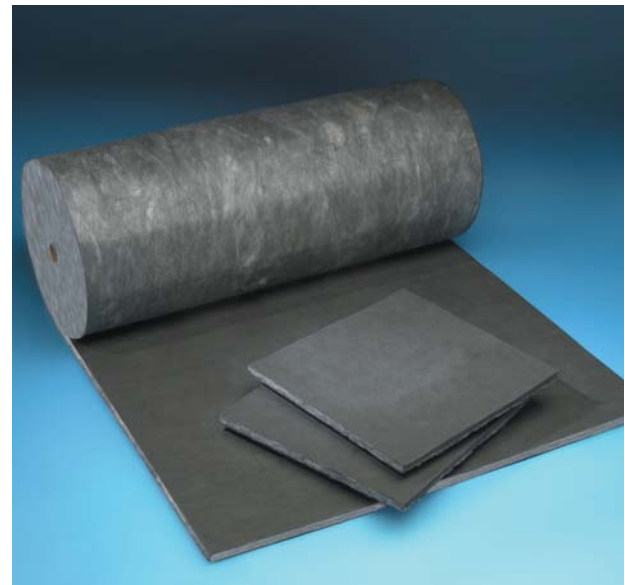
- Good Thermal Efficiency
- Good Acoustical Performance
- Antimicrobial Agent
- Easy to Handle and Install
- Excellent Resistance to Damage
- Good resistance to Air Erosion

Specifications

Temperature Limit: 250°F (121°C)

Fire Hazard Classification: 25/50 Flame Spread/Smoke Developed Ratings (per ASTM E 84, UL 723, and CAN/ULC S102-M88). Labels supplied when requested on order. Meets NFPA 90A and 90B.

Maximum Air Velocity: 5000 fpm (25.4 m/sec)



Resistance to Microbial Growth: Meets ASTM C 1338, G21 and G22 (withdrawn 2001) as required in ASTM C 1071

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

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

Meets requirements of:

- ASTM C 1071, Type 1
 - o ASTM C1338, ASTM G21 and ASTM G22 (withdrawn 2001) as required in ASTM C 1071 for Resistance to Microbial Growth
 - o ASTM C177, ASTM C518 for Thermal conductivity
 - o ASTM C423 Type A mount for Sound Absorptions
 - o ASTM C553 for Water Absorption
- UL 181 for Air Erosion
- UL 723 and ASTM E-84
- NFPA 90A and 90B for Fire Protection
 - o NFPA 259 Potential Heat Value
- CS31-46 sec. 8 for Odor Emission
- AH-122 NAIMA Duct cleaning guide

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Thermal Performance

Density*		Thickness		R-value		Conductance	
pcf	kg/m ³	in	mm	(hr•ft ² •°F)/Btu	m ² •°C/W	Btu/(hr•ft ² •°F)	W/m ² •°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 C 518 at 75°F (24°C) mean temperature.

Acoustical Performance

Sound Absorption Coefficients*

Type "A" Mounting

Density		Thickness		Frequency (Hz)						
pcf	kg/m ³	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 C 423 and ASTM E 795

** Noise Reduction Coefficient

Insulation Systems, OEM Insulations

For Order Placement

Eastern Region (Defiance, OH)

P.O. Box 158
Defiance, OH 43512
(800) 426-2435
Fax: (800) 329-7397

Western Region (Littleton, CO)

P.O. Box 625005
Littleton, CO 80162
(800) 293-3393
Fax: (800) 741-0183

For Technical Information

(800) 458-7198



Insulation Systems

717 17th St.
Denver, CO 80202
Product Information: (800) 654-3103
www.jm.com

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. Numerical flame spread and smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Check with the Regional Sales Office nearest you to assure current information. **All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions including Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions, Limited Warranty and Limitation of remedy, and information on other Johns Manville thermal insulations and systems, call (800) 654-3103.**