



Johns Manville

Performance Materials

Whispertone® Micromat®

Whispertone® Micromat® is a highly resilient flame-attenuated, amber fiber glass insulation, faced with an off-white fiber glass mat. The mat facing on Whispertone Micromat insulation provides a smooth surface with uniform color. The mat facing also adds rigidity to the product, making it easy to handle and fabricate.

Acoustical Panel and Office Furniture Applications.

Whispertone Micromat insulation is specifically engineered for use in acoustical panel and office furniture applications that require an efficient sound absorbing medium with uniform color and thickness. Additional qualities include ease of fabrication, high tensile strength and resilience, light weight, and resistance to vibration and shakedown.

The Advantages of Using Whispertone Micromat.

The high tensile strength, inherent in Whispertone Micromat blankets, helps the product resist damage during application. Because of their resiliency and flexibility, Whispertone Micromat blankets resist settling, breakdown, sagging from vibration, and damage from impact.

Whispertone Micromat can be easily formed around corners and curved surfaces, and it is readily cut in die-cut presses or with a knife. The countless air spaces in Whispertone Micromat create effective sound absorption, as well as thermal properties.

Available Forms. Whispertone Micromat is available in a variety of thicknesses, widths, and roll lengths.

Custom Fabrication. In addition, a Johns Manville approved fabricator can develop and apply custom facings and can fabricate components to meet your specific service conditions and performance requirements.



Applications:

- **Acoustical Panels**
- **Acoustical Partitions**
- **Other Acoustical Uses**

Insulation Properties:

- **Excellent Acoustical Performance**
- **High Tensile Strength**
- **Uniform Density Distribution**
- **Excellent Dimensional Uniformity**
- **Readily Fabricated**

Whispertone® Micromat®

Specifications

- **Temperature Limit:**
250° F (121° C)
- **Fire Hazard Classification:**
Meets NFPA 90A and 90B
25/50 (per ASTM E 84 and UL 723 and CAN/ULC S102 - M88)
- **Facings:**
Dura-Glass® fiber glass mat
- **Fabricated Products:**

Johns Manville Whispertone® Micromat® is manufactured to specific customer width requirements. Contact your Johns Manville sales representative for limitations. Die-cut or fabricated pieces are generally supplied by strategically-located Johns Manville fabricators that are specially equipped to provide prompt service to manufacturers in their area.

For Information

Write Johns Manville Product Information Center, P.O. Box 5108, Denver, Colorado 80217-5108, or call toll-free 1-800-654-3103 (outside Colorado); (303) 978-4900 (inside Colorado).

Limited Warranty

All Johns Manville products are sold subject to Johns Manville's Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville Limited Warranty and Limitation of Remedy, write to:

Johns Manville Product Information Center
P.O. Box 5108
Denver, CO 80217-5108

or call toll free: 1-800-654-3103 or contact your local Johns Manville sales representative.

General Properties

Core Density:	1.8 – 2.0 pcf (28.8 – 32.0 kg/m ³)
Thickness:	1/4" – 1.0" (6.4 to 25 mm)
Glass Mat Facer:	Dura-Glass®

Thermal Conductivity (k)

Thicknesses		Mean Temp @ 75° F (23° C)	
inches	mm	Btu•in./hr. •ft. ² •°F	W/mK
0.5	13	0.48	.068
1.0	25	0.24	.034

Acoustical Performance

Type "A" Mounting Sound Absorption Coefficients*

Density		Thicknesses		Frequency (Hz)						
pcf	kg/m ³	inches	mm	125	250	500	1000	2000	4000	NRC**
1.8	28.8	1/2	13	0.03	0.13	0.28	0.53	0.71	0.85	0.40
1.8	28.8	1	25	0.07	0.27	0.64	0.86	0.97	1.00	0.70

* Tested in accordance with ASTM C 423 90a

** Noise Reduction Coefficient



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EI-70 1/04 (New)

The physical and chemical properties of Johns Manville Whispertone Micromat represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. The data is supplied as a technical service and is subject to change without notice. Check with your Johns Manville representative to obtain current information.