



**Johns Manville**

**Microlite® “L”**  
*Formaldehyde-free™ Thermal and Acoustical Metal Building Insulation*

**PRODUCT DESCRIPTION**

Microlite “L” blanket insulation is a certified Formaldehyde-free™ thermal and acoustical fiber glass insulation, specifically designed for lamination to a wide choice of custom vapor-retarding facings. The unique JM manufacturing process provides the Microlite “L” blanket with uniformity that gives the fiber glass blanket a smooth laminating surface.

Microlite “L” blanket insulation is bonded with JM’s acrylic Formaldehyde-free™ binder system. The naturally white insulation wool reduces the irritation and dust associated with traditional fiber glass products. Microlite “L” insulation is a NAIMA 202-96® Certified Fiber Glass Metal Building Insulation produced in a special manufacturing process to give it the structural integrity it needs to recover thickness after lamination, shipping and installation.

**AVAILABLE FORMS**

- **Rolls:** wide unfaced rolls suitable for lamination.

**AVAILABLE FACINGS**

Check with your laminator/distributor for available facings.

**APPLICATIONS**

**New Construction and Retrofit**

- Metal buildings: roof and wall applications.

**PACKAGING**

Microlite “L” insulation is compression-packaged for savings in storage and freight costs.

**RECOMMENDED STORAGE AND TRANSPORT**

Store insulation indoors. Keep insulation clean and dry at all times. When transporting, cover completely with a waterproof tarpaulin as necessary.

**SPECIFICATION COMPLIANCE**

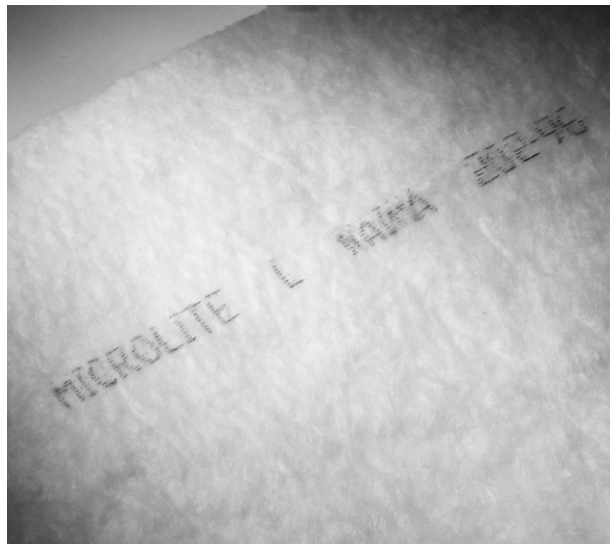
ASTM C 991, Type I (Type II when faced)  
 ASTM E 136 (wool only) and NAIMA Standard 202-96 (Rev. 2000)  
 ASTM E 84 Flame Spread Classification of 25/50 or less flame spread/smoke developed

**SHORT FORM SPECIFICATION**

All laminated insulation specified herein will consist of \_\_\_\_ Faced Microlite “L” Formaldehyde-free™ fiber glass insulation with an R-value of \_\_\_\_ manufactured by Johns Manville. Microlite “L” insulation will be manufactured in accordance with ASTM Specification C 991, Type II with the exception of width tolerance; and ASTM E 136, wool only. This product will have an FHC rating of 25/50 in accordance with ASTM Specification E 84 and bear UL labels. Microlite “L” insulation will bear the NAIMA 202-96 (Rev. 2000) Standard identification.

**LIMITATIONS OF USE**

Check applicable building codes.



# Microlite® "L"

Formaldehyde-free™ Thermal and Acoustical Metal Building Insulation

## BUILDING CODE COMPLIANCE AND FIRE HAZARD CLASSIFICATION\*

	IBC	ICBO	SBCCI	BOCA	Flame Spread	Smoke Developed
Microlite "L"	All Types	All Types	All Types	All Types	25	50

\*Per ASTM E 84.

## AVAILABLE FORMS\*

R-value (Post-lamination)		Thickness (Post-lamination)** McPherson		Roll size Width		Length	
(hr•ft <sup>2</sup> •°F)/Btu	m <sup>2</sup> •K/W	(in)	(mm)	(in)	(mm)	(ft)	(m)
30	5.28	8.7	221	36, 48, 60, 72	914, 1219, 1524, 1829	27	8.2
25	4.40	7.5	191	36, 48, 60, 72	914, 1219, 1524, 1829	30	9.1
19	3.35	5.60	142	36, 48, 60, 72	914, 1219, 1524, 1829	50	15.2
13	2.29	3.85	98	36, 48, 60, 72	914, 1219, 1524, 1829	75	22.9
11	1.94	3.30	84	48, 60, 72	1219, 1524, 1829	75	22.9
10	1.76	2.95	75	36, 48, 60, 72	914, 1219, 1524, 1829	100	30.5

\*Consult your local sales representative or product availability chart for other available sizes and R-values (RSI-values).

\*\*Prelamination thickness and R-value available on product label.

## SOUND ABSORPTION

ASTM C 423 Testing With Facing Toward Sound Source (ASTM E 795 Type "A" mounting)

### Noise Reduction Coefficient (NRC)

Rounded Average of the Sound Absorption Coefficients of Four Key Frequencies

Type	Unfaced	Faced Blanket		
		Vinyl	FSK	PSK
R-30	1.15	0.95	0.85	0.90
R-25	1.10	0.90	0.80	0.85
R-19	1.10	0.90	0.85	0.90
R-13	1.05	0.85	0.75	0.85
R-11	1.00	0.85	0.75	0.80
R-10	1.00	0.85	0.75	0.80

### Sound Absorption Average (SAA)

Average of the Sound Absorption Coefficients of the 12 Middle Frequencies

Type	Unfaced	Faced Blanket		
		Vinyl	FSK	PSK
R-30	1.12	0.93	0.86	0.90
R-25	1.11	0.89	0.82	0.85
R-19	1.11	0.92	0.83	0.90
R-13	1.04	0.86	0.77	0.82
R-11	1.00	0.83	0.78	0.80
R-10	0.99	0.84	0.75	0.81

Details of absorption by octave frequency available by request.

## North American Sales Offices, Insulation Systems

### Eastern Region

P.O. Box 158  
Defiance, OH 43512  
(800) 334-2399  
Fax: (419) 784-7866

### Western Region and Canada

P.O. Box 5108  
Denver, CO 80217  
(800) 368-4431  
Fax: (303) 978-4661



717 17th St.  
Denver, CO 80202  
(800) 654-3103  
specJM.com

The physical and chemical properties of Microlite® "L" Formaldehyde-free™ Thermal and Acoustical Wide Blanket Roll 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. Check with the sales office nearest you for 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 insulation and systems, call (800) 654-3103.**

♻️ Printed on recycled paper.

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