

## Metal Building Insulations

### 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)

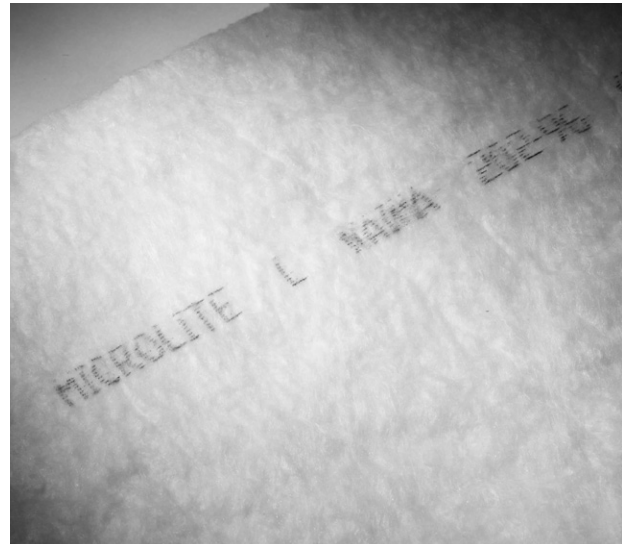
ASTM E 84 Flame Spread Classification of 25/50 or less flame spread/smoke developed

#### 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.



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## 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)**		Roll size Width		Length	
(hr•ft <sup>2</sup> •°F)/Btu	m <sup>2</sup> •K/W	McPherson (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.