

# Specification Data

## *Linacoustic RC Fiber Glass Duct Liner With Reinforced Coating System*

### Thermal Performance

Thickness (in) (mm)	R-Value (hr•ft <sup>2</sup> •°F)/Btu	Conductance		
		m <sup>2</sup> •°C/W	Btu/(hr•ft <sup>2</sup> •°F)	W/m <sup>2</sup> •°C
1/2 13	2.2	0.38	0.46	2.61
1 25	4.2	0.74	0.24	1.36
1 1/2 38	6.3	1.11	0.16	0.91
2 51	8.0	1.41	0.13	0.74

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.

### Sound Absorption Coefficients (Type "A" Mounting)

Thickness (in) (mm)	Sound Absorption Coefficient at Frequency (Cycles per Second) of						
	125	250	500	1000	2000	4000	NRC
1/2 13	0.07	0.20	0.44	0.66	0.84	0.93	0.55
1 25	0.08	0.31	0.64	0.84	0.97	1.03	0.70
1 1/2 38	0.10	0.47	0.85	1.01	1.02	0.99	0.85
2 51	0.25	0.66	1.00	1.05	1.02	1.01	0.95

Coefficients were tested in accordance with Test Method ASTM C 423-90 and ASTM E 795.

### ISO 9000 Certification

Johns Manville mechanical insulation products are designed, manufactured and tested in our own facilities, which are certified and registered to stringent ISO 9000 (ANSI/ASQC 90) series quality standards. This certification, along with regular, independent third-party auditing for compliance, is your assurance that Johns Manville products deliver consistent high quality.

### Surface Burning Characteristics

Flame Spread not over 25  
Smoke Developed not over 50  
Per UL 723, ASTM E 84 and CAN/ULC S102-M88 test methods.  
If UL labels are required, they may be requested at time of order.

### Specification Compliance

- ASTM C 1071, Type I, Flexible (Replaced HH-I-545B and NAIMA AHC 101)
- ASTM G 21 and G 22
- ICC Compliant
- California Title 24
- SMACNA Application Standards for Duct Liners
- NAIMA Fibrous Glass Duct Liner Installation Standard
- NFPA 90A and 90B, FHC 25/50 and Limited Combustibility
- Conforms to ASHRAE 62-2001
- Canada: CGSB 51-GP-11M  
CAN/ULC S102-M88



### North American Sales Offices, Insulation Systems

#### Eastern Region

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Defiance, OH 43512  
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Fax: (419) 784-7866

#### Western Region and Canada

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# Johns Manville

### Insulation Systems

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The physical and chemical properties of Linacoustic RC™ Fiber Glass Duct Liner with Reinforced Coating System 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 Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville Limited Warranty and Limitation of Remedy, and information on other Johns Manville thermal insulations and systems, call (800) 654-3103.

