

DUCT LINER COMPARISON

MANUFACTURER Brand	MANSON Akousti-Liner™	OWENS CORNING QuietR®	JOHNS MANVILLE PM	JOHNS MANVILLE Linacoustic® RC	CERTAINTED ToughGard®
Manufacturing Location	U.S.A	Mexico	U.S.A	U.S.A	U.S.A
Fiber-Forming	Rotary	Rotary	Flame Attenuated	Flame Attenuated	Rotary
Formaldehyde-Free	Validated	No	No	No	No
GREENGUARD Gold	Yes	Yes*	Yes	Yes	Yes
GREENGUARD Mold Resistance UL 2824	Validated	No	No	No	No
Bacteria and Fungi Resistance ASTM C1338, G21, G22	Yes	Yes	Yes	Yes**	Yes
Veil treated with EPA biocide	Yes	Yes	No	No	No
Air Stream Mat	Standard	Standard	Standard	Coated	Standard
Max. Air Velocity (ft./min.)	6,000	6,000	6,000	6,000	6,000
ASTM C1071; Type I, Flexible	Yes	Yes	Yes	Yes	Yes
Water Vapor Sorption ASTM C1104 (by weight)	<3%	<3%	<3%	<3%	<3%
Maximum Operating Temp.	250 °F	250 °F	250 °F	250 °F	250 °F
Surface Burning Characteristics Flame Spread/Smoke Developed UL 723, ASTM E84, CAN S102	25/50	25/50	25/50	25/50	25/50
NFPA 90A & 90B	Yes	Yes	Yes	Yes	Yes
UL/ULc Classified FHC 25/50	Yes	Yes	Yes	Yes	Yes
Recycled Content	≥50%	53%	Unknown	Unknown	Unknown

*Certified for 1" or less in thickness. | **G22 has been removed from Data Sheet.

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Noise Reduction Coefficients ASTM C423, Type "A" Mounting					
0.5" @ 2.0 PCF	0.50	0.50 ¹	0.55 ¹	0.55 ¹	0.50
1" @ 1.5 PCF	0.70	0.75 ¹	0.70 ¹	0.70 ¹	0.70
1.5" @ 1.5 PCF	0.80	0.85 ¹	0.85 ¹	0.85 ¹	0.80
1.5" @ 2.0 PCF	0.85	0.85 ¹	0.85 ¹	0.85 ¹	—
2" @ 1.5 PCF	0.95	0.90 ¹	0.95 ¹	0.95 ¹	0.95
Thermal Performance - R-Value ASTM C518 at 75° F (24° C) mean temperature					
0.5" @ 2.0 PCF	2.2	2.2 ¹	2.2 ¹	2.2	2.2
1" @ 1.5 PCF	4.2	4.2 ¹	4.2 ¹	4.2	4.2
1.5" @ 1.5 PCF	6.0	6.3 ¹	6.3 ¹	6.3 ¹	6.0
1.5" @ 2.0 PCF	6.3	6.3 ¹	6.3 ¹	6.3 ¹	—
2" @ 1.5 PCF	8.0	8.0 ¹	8.0 ¹	8.0 ¹	8.0
Vacuum Packaging	Yes	Yes	No	No	Yes

¹No Density shown on Data Sheet

Manson Insulation | www.imanson.com

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