

**DESCRIPTION**

Spiral SG Double Wall Insulation is a thermal and acoustical insulation designed for use in double wall spiral HVAC ducts. Spiral SG is made from rotary-process glass fibers bonded with a thermosetting resin.

**ADVANTAGES**

Spiral SG is offered in a range of densities and thicknesses to optimize thermal and acoustical performance. It is made from rotary-process glass fibers bonded with a thermosetting resin, improving tensile strength and flexibility. The resilient fiber glass blanket is resistant to damage during transportation and fabrication.

**USES**

Spiral SG offers improved tensile strength and flexibility that make it ideal for insulating double wall HVAC Ducts.

**STORAGE**

Spiral SG should be kept clean and dry during storage, transport, fabrication, installation, and system operation.

**THERMAL CONDUCTIVITY**

Type	Density		K Value 75°F (24°C) Mean Temp	
	PCF	KG/M <sup>3</sup>	BTU•in/(hr•ft <sup>2</sup> •°F)	W/M•°C
75	0.75	12	0.30	0.043
85	0.85	14	0.27	0.039
100	1.04	17	0.26	0.037
125	1.20	19	0.25	0.036
150	1.56	25	0.24	0.035

**SUSTAINABLE BUILDING ATTRIBUTES**


GREENGUARD Certified products have been screened for more than 10,000 volatile organic compounds (VOCs) and meet stringent standards for low chemical emissions based on established criteria from key public health agencies.


**SPECIFICATION COMPLIANCE**

<b>ASTM</b>	E 84	<b>NFPA</b>	90A and 90B
<b>CAN/ULC</b>	S102	<b>UL</b>	723

**PERFORMANCE SPECIFICATIONS**

Service Temp Max	350°F (177°C)
Corrosivity (ASTM C665)	Does not accelerate
Fire Hazard Classification	25/50 - Labels supplied when requested on order
Microbial growth (ASTM C1338)	Does not breed
Surface Burning Characteristics	Max Flame Spread 25 Max Smoke Developed Index 50
Water Sorption (ASTM C1104)	<5% by weight

**AVAILABLE SIZES**
**Type "A" Mounting Sound Absorption Coefficients\***

Type	Thickness	Frequency (Hz)							NRC**
		IN.	MM.	125	250	500	1000	2000	
85	1	25	0.11	0.31	0.60	0.80	0.90	0.93	0.65
	2	51	0.16	0.60	0.92	0.98	0.97	1.01	0.85
100	1	25	0.09	0.30	0.60	0.77	0.89	0.93	0.65
	2	51	0.18	0.64	0.99	1.02	1.01	1.04	0.90
150	1	25	0.10	0.28	0.62	0.84	0.95	0.97	0.65
	2	51	0.22	0.71	1.03	1.08	1.05	1.02	0.95

\*Tested in accordance with ASTM C423 and ASTM E795

\*\*Noise reduction coefficient



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Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The physical and chemical properties of Spiral SG 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.

**All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville thermal insulation and systems, visit [www.jm.com/terms-conditions](http://www.jm.com/terms-conditions) or call (800)654-3103.**