

## DESCRIPTION

Spin-Glas® WH EQ / Range-Glas® EQ is a lightweight insulation made from rotary-process fiberglass. It provides excellent thermal performance for commercial and residential applications operating at hot-face temperatures up to 1000°F. While Spin-Glas WH EQ / Range-Glas EQ is made with a formaldehyde-free binder, first exposures of the insulation to elevated temperature ( $\geq 450^\circ\text{F}$ ), will result in some formaldehyde emissions.

Because the glass fibers in Spin-Glas WH EQ / Range-Glas EQ are extremely fine, they create an enormous number of minute air spaces, making the insulation highly effective for sound absorption and thermal properties. The glass fibers are resistant to the effects of moisture, oil, grease and most acids. The resilient fibers resist settling, breakdown and sagging from vibration.



## AVAILABLE THICKNESSES & DENSITIES

Density		Thickness (in ½" (13mm) increments)	
pcf	kg/m <sup>3</sup>	in	mm
1.02	16	1.0 – 4.0	25 – 102
1.26	20	1.0 – 3.0	25 – 76
1.76	28	1.0 – 2.0	25 – 51
2.00	32	1.0 – 2.0	25 – 51
2.50	40	1.0 – 1.5	25 – 38

## CUSTOM FABRICATION

The Johns Manville nationwide network of Approved Fabricators specializes in secondary processing to supply custom parts to meet specific customer requirements. Die-cutting, laminating, special packaging and just-in-time delivery are just a few of the multiple capabilities our fabricators can provide.

## SPECIFICATIONS

Temperature Limit	1,000°F (538°C)
Corrosiveness	Passes ASTM C665 for steel, aluminum and copper
Fire Hazard Classification (FHC), ASTM E84, UL 723, CAN/ULC S102–M88, NFPA 90A & 90 B	25 Flame Spread 50 Smoke Developed
Moisture Absorption	Less than 1.0% by volume
Odor	Negligible
Resistance to Fungi and Bacteria	Does not breed or promote

## APPLICATIONS

- Water heaters (residential and commercial)
- Ovens and Ranges (gas and electric)
- Excellent gasket material
- Water heater pipe penetrations
- Storage tank insulation

## ADVANTAGES

- Excellent thermal efficiency
- Excellent acoustical performance
- Easy to fabricate
- Easy to handle and install



**SPIN-GLAS® WH EQ / RANGE-GLAS® EQ**  
 THERMAL AND ACOUSTICAL INSULATION

## DATA SHEET

**THERMAL CONDUCTIVITY (K) PER ASTM C518**

Density		Mean Temp. @ 75°F (24°C)		Mean Temp. @ 300°F (149°C)		Mean Temp. @ 500°F (260°C)	
pcf	kg/m <sup>3</sup>	Btu•in/(hr•ft <sup>2</sup> •°F)	W/m•°C	Btu•in/(hr•ft <sup>2</sup> •°F)	W/m•°C	Btu•in/(hr•ft <sup>2</sup> •°F)	W/m•°C
1.02	16	0.26	0.037	0.46	0.066	0.74	0.107
1.26	20	0.24	0.035	0.42	0.061	0.66	0.095
1.76	28	0.23	0.033	0.38	0.055	0.58	0.084
2.00	32	0.22	0.032	0.35	0.051	0.53	0.076
2.50	40	0.22	0.032	0.33	0.048	0.48	0.069

**SOUND ABSORPTION COEFFICIENTS**

Type "A" Mounting for 1" (25mm) Thickness

Density		NRC
pcf	kg/m <sup>3</sup>	
1.02	16	0.60
1.26	20	0.75
1.76	28	0.80
2.00	32	0.80
2.50	40	0.80

Note: Coefficients were tested in accordance with ASTM C423 and ASTM E795 test methods.



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**PRODUCT & TECHNICAL  
 INFORMATION**

800-654-3103

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 Spin-Glas WH EQ/Range-Glas WH EQ 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 [www2.jm.com/terms-conditions](http://www2.jm.com/terms-conditions) or call (800) 654-3103.**