

Equipment Spin-Glas® Board
Equipment Insulation

Description

Equipment Spin-Glas Board is a rigid board manufactured from fine, rotary-process glass fibers bonded with a special thermosetting resin.

Thermal and Acoustical Solution. Equipment Spin-Glas Board can be used in a variety of applications that require good thermal and acoustical efficiency in a minimal space.

Appliance and Equipment Applications. Because the glass fibers in Equipment Spin-Glas Board are extremely fine, they create an enormous number of minute air spaces, making the insulation highly effective for sound absorption and thermal properties.

These glass fibers are resistant to the effects of moisture, oil, grease, and most acids. Because these fibers are highly resilient, they resist settling, breakdown or sagging from vibration. They yield readily to impact and protect facings from puncture or tearing.

Equipment Spin-Glas Board provides neat, square corners for an improved, finished appearance for equipment systems.

The inherent physical properties of Equipment Spin-Glas Board assure ease of application. It can be readily cut with a knife and secured with mechanical fasteners or adhesives.

Available Forms. See Equipment Spin-Glas Board Purchase Guide, ESG-IS-210 for specific details.

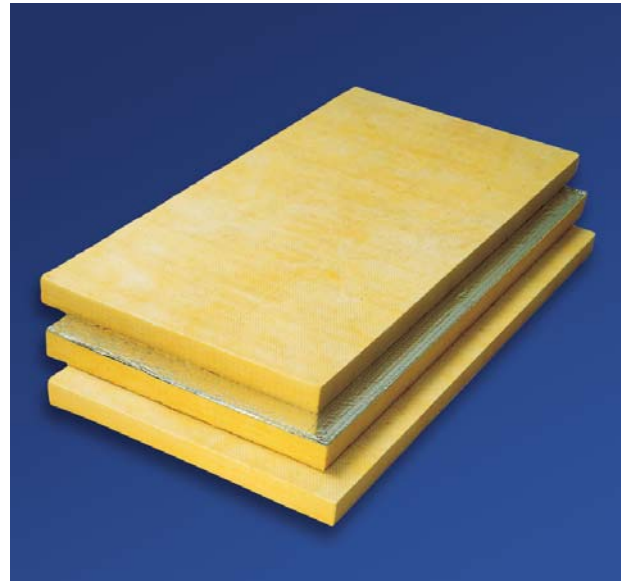
Custom Fabrications. A Johns Manville Approved Fabricator can develop and apply facings for airstream applications as well as fabricate Equipment Spin-Glas Board to meet your specific service conditions and performance requirements.

Applications

- Office Partitions
- Ceiling Panels
- Wall Panels
- HVAC Equipment

Insulation Properties

- Excellent Thermal Efficiency
- Excellent Acoustical Performance
- Easy to Fabricate
- Easy to Handle and Install



Specifications

Temperature Limit: 350°F (177°C) (unfaced). Faced surface should not exceed 150°F (83°C).

Fire Hazard Classification: 25/50 Flame Spread/Smoke Developed Ratings (per ASTM E 84, UL 723, and CAN/ULC S102-M88). Labels supplied when requested on order. Meets NFPA 90A and 90B.

Facings: FSK (foil/scrim/kraft)

Coating: Black Acrylic Coating (maximum rated air velocity is 5,000 fpm) (1,500 mpm)

Fabricated Products: Johns Manville Equipment Spin-Glas Board is manufactured to specific customer width requirements. Contact your Johns Manville sales representative for limitations. Die-cut or fabricated pieces are generally supplied by one of the strategically located Johns Manville fabricators who are specially equipped to provide prompt service to manufacturers in their area.

General Properties

Moisture Absorption:	Less than 1.0% by volume
Alkalinity:	Less than 6.0% expressed as Na ₂ O
Corrosivity:	(With steel, copper or aluminum) Does not accelerate
Odor:	None
Capillarity (after 24 hours):	Negligible
Shrinkage:	None
Resistance to Fungi and Bacteria:	Does not breed or promote

Equipment Spin-Glas® Board

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Thermal Conductivity (k)

Density		Mean Temp. @ 75°F (24°C)	
pcf	kg/m ³	Btu•in/(hr•ft ² •°F)	W/m•°K
3.00	48.1	.254	.035
4.25	68.1	.23	.033
6.00	96.2	.23	.033

Acoustical Performance

Sound Absorption Coefficients*

Type "A" Mounting

Density		Thickness		Frequency (Hz)							
pcf	kg/m ³	in	mm	125	250	500	1000	2000	4000	NRC**	
3.00	48.1	1	25	0.06	0.26	0.61	0.86	0.99	1.03	0.70	
3.00	48.1	2	51	0.17	0.80	1.16	1.15	1.11	1.10	1.05	
4.25	68.1	1	25	0.03	0.32	0.80	1.04	1.05	1.05	0.80	
4.25	68.1	2	51	0.27	0.91	1.11	1.09	1.09	1.09	1.05	
6.00	96.2	1	25	0.10	0.35	0.85	1.04	1.05	1.03	0.80	
6.00	96.2	2	51	0.38	0.93	1.10	1.07	1.07	1.07	1.05	

* Tested in accordance with ASTM C 423-90a and ASTM E 795-83

** Noise Reduction Coefficient

Custom fabricated by:



Insulation Systems, OEM Insulations

For Order Placement

**Eastern Region
(Defiance, OH)**
P.O. Box 158
Defiance, OH 43512
(800) 426-2435
Fax: (800) 329-7397

**Western Region
(Littleton, CO)**
P.O. Box 625005
Littleton, CO 80162
(800) 293-3393
Fax: (800) 741-0183

For Technical Information

(800) 458-7198



Johns Manville

Insulation Systems

P.O. Box 5108
Denver, CO 80217-5108
Product Information: (800) 654-3103
pic@jm.com
www.jm.com

The physical and chemical properties of the Equipment Spin-Glas® Board Insulation 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. 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.**



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