Spin-Glas® Board

Thermal and Acoustical Insulation

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

Applications. Spin-Glas Board equipment insulation can be used for office partitions, ceiling panels, wall panels, and HVAC equipment applications.

Advantages. Because the glass fibers in Spin-Glas Board equipment insulation are extremely fine, they create an enormous number of minute air spaces, making the insulation highly resistant to the passage of heat and sound.

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.

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

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

Available Forms. Made in board form, Spin-Glas is available in a variety of densities and thicknesses. It also can be provided with a smooth surface or with an FSK (foil/scrim/kraft) facing, or coated with a black acrylic coating.

Custom Fabrication. In addition to the standard dimensions, a Johns Manville Approved Fabricator can provide specially-cut pieces and shapes to particular customer specifications.

Applications:

- ***Acoustical Panels***
- ***Acoustical Partitions***
- ***Roof Curbs***
- ***HVAC Equipment***
- ***Other***

Insulation Properties:

- ***Good Acoustical Performance***
- ***Excellent Thermal Performance***
- ***Structurally Rigid***
- ***Resistant to Vibration***
- ***Readily Fabricated***

Spin-Glas® Board

Thermal and Acoustical Insulation

Specifications

- **Temperature Limit:**
  350° F (177° C)
  (Faced surface should not exceed 150° F [83° C])

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

- **Facings:**
  FSK (foil/scrim/kraft)

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

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

- **For Information**
  Write Johns Manville Product Information Center, P.O. Box 5108, Denver, Colorado 80217-5108, or call toll-free 1-800-654-3103 (outside Colorado); (303) 978-4900 (inside Colorado).

- **Limited Warranty**
  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, write to:

  Johns Manville Product Information Center
  P.O. Box 5108
  Denver, CO 80217-5108

  or call toll free: 1-800-654-3103 or contact your local Johns Manville sales representative.

General Properties

Available Thicknesses:	5/8" to 4" (16 mm to 102 mm)
Moisture Absorption:	Less than 1.0% by volume
Alkalinity:	Less than 6.0% expressed as Na_2O
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
Width Combinations:	48" to 72" (1219 mm to 1829 mm) 92" to 96" (2337 mm to 2438 mm)

Thermal Conductivity (k)

Density		Mean Temp @ 75° F (23° C)	
Pcf	kg/m³	Btu • in./(hr. • ft.² • °F)	W/mK
3.00	48.1	0.24	.035
4.25	68.1	0.23	.033
6.00	96.2	0.23	.033

Acoustical Performance

Type "A" Mounting Sound Absorption Coefficients*

Density		Thicknesses		Frequency (Hz)						
pcf	kg/m³	inches	mm	125	250	500	1000	2000	4000	NRC**
2.25	36	1	25	0.08	0.27	0.69	0.95	1.05	1.02	0.75
2.25	36	2	51	0.19	0.88	1.15	1.14	1.10	1.07	1.05
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

View MSDS

The physical and chemical properties of Johns Manville Spin-Glas represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. The data is supplied as a technical service and is subject to change without notice. Check with your Johns Manville regional office to obtain current information.

Johns Manville
Performance Materials
P.O. Box 5108
Denver, CO 80217-5108
www.jm.com

EI-14 1/04 (Replaces 12/97)