



Johns Manville

HTB 26, HTB 23 Spin-Glas®

High Temperature Fiber Glass Blanket Insulation

Description

Spin-Glas HTB is a lightweight, off-white insulation blanket designed to provide high insulating efficiency for industrial applications.

Depending on the application, Spin-Glas HTB is available in two densities:

Type	Density	
	pcf	kg/m ³
HTB 26	1.06	17
HTB 23	2.00	32

Applications

Spin-Glas HTB Insulation was developed specifically for use in various applications operating at temperatures up to 1000°F (538°C) and requiring a low density blanket. This flexible blanket insulation is particularly suitable for heated, irregular surfaces or in the manufacturing of removable pads and covers.

Available Sizes

Widths: 24", 36", 48" (0.61 m, 0.92 m, 1.22 m)

Thickness		Type			
		HTB 26		HTB 23	
Length		Length		Length	
(in)	(mm)	(ft)	(m)	(ft)	(m)
1*	25*	100*	30.5*	100*	30.5*
1 1/2	38	100	30.5	75	22.9
2	51	100	30.5	50	15.3
3	76	75	22.9	--	--
4	102	50	15.3	--	--

*Supplied double thick for 200 ft. (61 m) per package.

Packaging

Rolls. Compression packed in vac pak consisting of a poly tube with an outer restraining sleeve. Cardboard cores will be provided only at customer request.

Advantages

Low Smoke and Odor. Spin-Glas HTB Insulation is designed to emit only minimal smoke and odor during initial heat-up. In addition, the phenolic resin binder will not smolder.



Operating Temperature Limit: 1000°F (538°C)

Strength. These resilient fiber glass insulations offer high tensile strength to resist damage during installation.

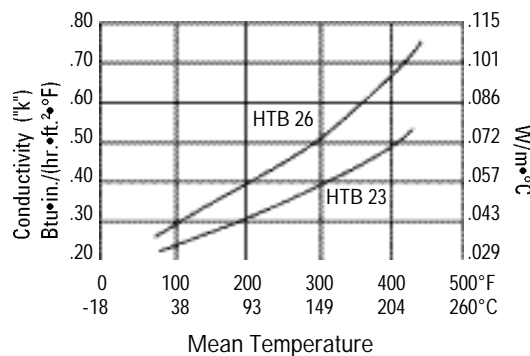
Resistance to Vibration. Spin-Glas high temperature blanket resists the effects of vibration after installation, providing superior in-place performance.

Thermal Performance. The low conductivity of Spin-Glas HTB in hot applications means reduced heat loss and lower fuel costs.

Thermal Conductivity (k)

Mean Temperature	°F		°C
	75		300
	24		149
Btu·in./(hr·ft. ² ·°F)			
HTB 26		.26	.50
HTB 23		.23	.38
W/m·°C			
HTB 26		.038	.072
HTB 23		.033	.055

Thermal Conductivity (ASTM C 518)




HTB 26, HTB 23 Spin-Glas®

High Temperature Fiber Glass Blanket Insulation

Specification Compliance (Request for certification must accompany purchase order.)

Government	Coast Guard	ASTM
HH-I-558C, Form B, Type I, Class 8	164.009	E 84 Flame Spread - 25 or less
MIL-I-22023D, Type I		Smoke Developed - 50 or less
Class 3: HTB 26		E 136 (noncombustible)
Class 5: HTB 23		C 553 Type V - HTB 26
CAN/51-GP-11M		Type VI - HTB 23
MIL-I-24244C		C 795
NRC 1.36		C 1139 Type I Grade 2 - HTB 26
		Grade 4 - HTB 23

North American Sales Offices, Commercial & Industrial Division



The map shows the Western Region covering the United States west of the Rocky Mountains and parts of Canada, and the Eastern Region covering the United States east of the Rocky Mountains and parts of Canada. Insets show Alaska and Hawaii.

Eastern Region P.O. Box 158 Defiance, OH 43512 (419) 784-7000 (800) 334-2399 Fax: (419) 784-7866	Western Region P.O. Box 5108 Denver, CO 80217 (303) 978-2284 (800) 368-4431 Fax: (303) 978-4661	Central and South America (303) 978-4655 Fax: (303) 978-2627
		Asia, Middle East and Europe (303) 978-3310 Fax: (303) 978-2627



Commercial & Industrial Division
P.O. Box 5108
Denver, CO 80217-5108
www.jm.com

The physical and chemical properties of HTB 26 and HTB 23 Spin-Glas® high temperature fiber glass blanket insulation 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 this or any other materials under actual fire conditions. Check with your Regional Sales Office 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, call the 800 number below.** For information on other Johns Manville thermal insulations and systems, and a copy of the Spec-Line® CSI formatted specification, call **1-800-654-3103**. To access automated fax-on-demand service in the United States and Canada, simply call **1-888-INSULFX (1-888-467-8539)** from a fax or phone.