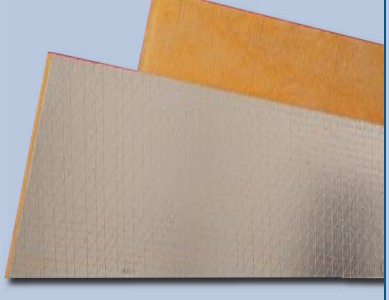
Johns Manville

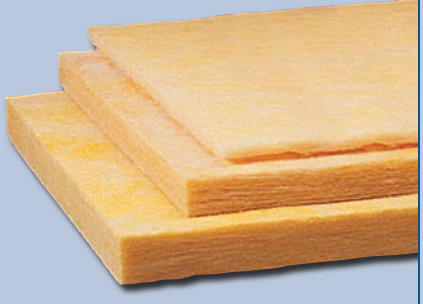
Fiber Glass Insulation

Pipe & Equipment Insulations Product Selection Guide



800 Series Spin-Glas®

Fiber Glass Duct and Equipment Insulation



Spin-Glas®

Fiber Glass Board Insulation

HTB 26 Spin-Glas®

Fiber Glass Blanket Insulation

DESCRIPTION

This fiber glass insulation board is designed for use on equipment in commercial and industrial HVAC, power, and process applications.

Operating Temperature Limit:
0°F to 450°F (-18°C to +232°C)

1000 Series Spin-Glas®
A semi-rigid board used for insulating furnaces, boilers, heated vessels, ducts, tanks, and other systems operating at medium to high temperatures.

Operating Temperature Limit: 850°F (454°C)

Precipitator Spin-Glas®
A semi-rigid board specifically designed for insulating precipitators, ducts, and breechings in power generation plants.

Operating Temperature Limit: 850°F (454°C)

A lightweight insulating blanket specifically designed for insulating irregular surfaces.

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

AVAILABILITY

Type	Density pcf	Density kg/m³	Thickness in.	Thickness mm
812	1.50	24	1½-4	38-102
813	2.25	36	1½-4	38-102
814	3.00	48	1-4	25-102
815	4.25	68	1-2½	25-64
817	6.00	96	1-2	25-51

800 Series Spin-Glas is available plain or faced with an AP or FSK vapor retarder jacketing.

1000 Series Spin-Glas (Boards)

	in.	mm
Thickness	1-4 (½" inc.)	25-102 (13 mm inc.)
Width	24, 48	610, 1219
Length	48, 96	1219, 2438

Precipitator Spin-Glas (Boards)

	in.	mm
Thickness	1-4 (½" inc.)	25-102 (13 mm inc.)
Width	12, 24	305, 610
Length	48, 96	1219, 2438

HTB 26 Spin-Glas (Rolls)

	in.	mm
Thickness	1, 1½ ,2 ,3 ,4	25, 38, 51, 76, 102
Width	24, 36, 48	610, 914, 1219
Length	◆	◆

◆ Length determined by thickness.

PERFORMANCE CHARACTERISITICS

THERMAL CONDUCTIVITY ("k")
(ASTM C 177 AND C 518)

Type	Mean Temperature 75°F	Mean Temperature (24°C)
812	0.24*	0.035**
813	0.23*	0.033**
814	0.23*	0.033**
815	0.22*	0.032**
817	0.22*	0.032**

*Btu•in/(hr•ft²•°F) ** W/m • °C

THERMAL CONDUCTIVITY ("k")
(ASTM C 177 AND C 518)

Type	Mean Temperature 75°F	Mean Temperature (24°C)
1000 SSG	0.23*	0.033**
Precipitator SG	0.23*	0.033**

*Btu•in/(hr•ft²•°F) ** W/m • °C

THERMAL CONDUCTIVITY ("k")
(ASTM C 177 AND C 518)

Type	Mean Temperature 75°F	Mean Temperature (24°C)
HTB	0.26*	0.037**

*Btu•in/(hr•ft²•°F) ** W/m • °C

SPECIFICATION COMPLIANCE

ASTM C 612 Type 1A and 1B
- (813, 814, 815, 817)

ASTM C 553, Type III
- (812 Only)

ASTM C 795
ASTM C 1136
- Type I – AP Facing
- Type II – AP and FSK Facing

ASTM E 84, UL 723, NFPA 255
FHC 25/50, NFPA 90A and 90B
HH-I-558C, Form B, Type I, Class 7
- (812, 813, 814, 815)

MIL-1-24244C
NRC 1.36
Canada: CGSB 51-GP-10M
CAN/ULC S102-M88

ASTM C 612, Type II
ASTM C 795
ASTM E 84, FHC 25/50
ASTM E 136 (Noncombustible)
MIL-I-24244C
MIL-I-22023D, Type I and II, Class 6
USCG 164.009
NRC 1.36
CAN/51-GP-10M

ASTM C 612, Type II
ASTM C 795
ASTM E 84, FHC 25/50
ASTM E 136 (Noncombustible)
HH-I-558C, Form B, Type I, Class 8
- Up to 850°F (454°C)

MIL-I-24244C
USCG 164.009
NRC 1.36
CAN/51-GP-10M

ASTM C 553, Type V
ASTM C 1139, Type I, Grade 2
ASTM C 795
ASTM E 84, FHC 25/50
ASTM E 136 (Noncombustible)
HH-I-558C, Form B, Type I, Class 8
MIL-I-22023D, Type I, Class 3
MIL-I-24244C
USCG 164.009
NRC 1.36
CAN/51-GP-11M