



FBX INDUSTRIAL BOARD INSULATIONS

1240 1260 1280 1210 1212

Basalt Insulation in rigid and semi-rigid board form manufactured to ASTM C 612 Types I through IVB. Industrial Board provides superior thermal, acoustical and personnel protection performance for boilers, precipitators, ducts and mechanical equipment operating at temperatures from subambient to 1,200°F (649°C).

Fibrex mineral insulation products are manufactured using state of the art patented technology to produce industrial use boards with superior handleability. The material is clean, easily fabricated and quickly installed.



FEATURES

- Superior thermal conductivity
- Wide range of service temperatures
- Low in-service shrinkage; 0% @ 1,050°F (551°C)
- Lightweight
- Applicator friendly
- Good compressive strength
- Non-wicking
- Easy to fabricate
- Less dusty

BENEFITS

- Maximum prevention of heat loss
- Continuous service, subambient to 1,200°F (649°C)
- Less potential for gaps forming at joints from elevated operating temperatures
- Saves installation time and cost
- Less irritating
- Less jacket damage
- Allows temporary outdoor storage at jobsite
- Cuts easily with a knife; no sawing required
- Cleaner to handle; minimizes cleanup time and expense

GENERAL INFORMATION

Standard sizes:	
lengths	48" (1,219mm)
widths	24" (610mm)
Standard thicknesses:	1" to 5" in 1/2" increments (25mm to 127mm in 13mm increments)
Facings:	FSK available on request
Service temperatures:	Continuous use to 1,200°F (649°C); phased heatup not required
Linear shrinkage:	0% @ 1,050°F (556°C); <1% @ 1,200°F (649°C)
Recovery after 10% compression:	100%
Moisture adsorption:	<1%; inorganic, will not mildew
Asbestos:	None
Corrosion:	Does not promote or contribute to
Combustibility:	Non-combustible
Chemistry:	Mean chemistry data available on request
Surface burning characteristics:	Flame spread 5
(Unfaced)	Smoke developed 0



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SPECIFICATION COMPLIANCE

Manufactured, tested and certified in compliance with all the standards and specifications listed below. Data and evidence available upon request.

ASTM C 612, Type I - IV B	ASTM C 795	ASTM E 84
ASTM E 136	UL 723	CAN4-S102
NRC 1.36	USCG 164.009	HH-I-558B
CAN/CGSB - 51-10-92	CAN4-S114M	

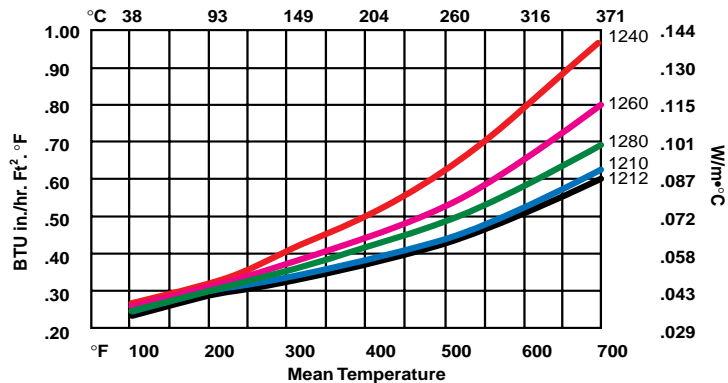
RECOMMENDED THICKNESS

Fibrex can provide a confidential computer analysis of every insulation requirement based on calculations performed to the method described in ASTM C 680.

NOTE: Advance notification must be provided if lot testing is required.

THERMAL PERFORMANCE

(ASTM C 177 test method):



The light weight of Industrial Board makes it easy to install. It fabricates easily and cleanly with minimal cleanup.

ACOUSTICAL PROPERTIES

Tested per
ASTM C423 & 795



TYPE	TH. (in)	ABSORPTION COEFFICIENT @ Hz				NRC
		125	1000	2000	4000	
FBX 1280	1.5	0.13	1.08	1.04	1.07	0.95
	2	0.32	1.07	1.01	1.05	1.00
	3	0.76	0.98	1.01	1.00	0.95
	4	1.11	1.03	1.06	1.07	1.00
FBX 1260	1.5	0.18	1.08	1.03	1.07	0.95
	2	0.25	1.10	1.04	1.06	1.05
	3	0.80	0.99	0.98	0.96	1.05
	4	0.99	1.03	1.03	1.05	1.05
FBX 1240	1.5	0.13	1.08	1.02	1.01	0.90
	2	0.20	1.06	1.04	1.07	0.95
	3	0.49	1.09	1.06	1.04	1.05
	4	0.88	1.08	1.06	1.10	1.10
	6	1.32	1.09	1.06	1.07	1.10

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04/01 FX-163