FUSED SILICA
HOT PRESS PLATENS
CASTABLE CERAMICS
FIRED SHAPES
AEROSPACE TOOLING

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HI-TEMP INSULATIONS
CALCIUM SILICATE BOARDS
MILLBOARD AND BLANKET
PAPERS AND CEMENTS
CUTTING AND FABRICATING

Mineral Wool Board

For thermal and acoustical performance in commercial and industrial applications.

Features and Benefits

- For use in continuous service up to 1200°F (649°C).
- Exceptional thermal performance and resiliency.
- Dimensionally stable at elevated temperatures with very low lineal shrinkage.
- Excellent fire performance, noncombustible.
- Will not wick moisture, promote corrosion or conduct electricity.
- Lightweight and easy to fabricate.

General Information

THERMFIBER Industrial Board Insulation is available in five nominal densities, 4 through 12 lb./cu.ft. and meet or exceed the requirements of ASTM C 612-00. Industrial Board products are available in various thicknesses from 1" to 6", in ½" increments. Standard width is 24"; standard length is 48".*

Description

THERMFIBER Industrial Board is an economical, semi-rigid, preformed mineral fiber insulation consisting of chemically inert mineral fibers bonded with a high temperature, thermosetting binder. Industrial Board is available in nominal densities from 4 to 12 lb./cu. ft. and suitable for temperatures up to 1200°F (650°C).

Applications

THERMAFIBER Industrial Board Insulation offers excellent thermal and acoustical performance in both hot and cold applications to conserve energy, maintain process temperatures, provide personnel protection, prevent condensation, and reduce noise emission and transmission.

Industrial Board Insulation may be used to insulate plant equipment such as boilers, furnaces, ovens, ducts, precipitators, tanks and other mechanical equipment operating at continuous service temperatures from sub-ambient to 1200°F.

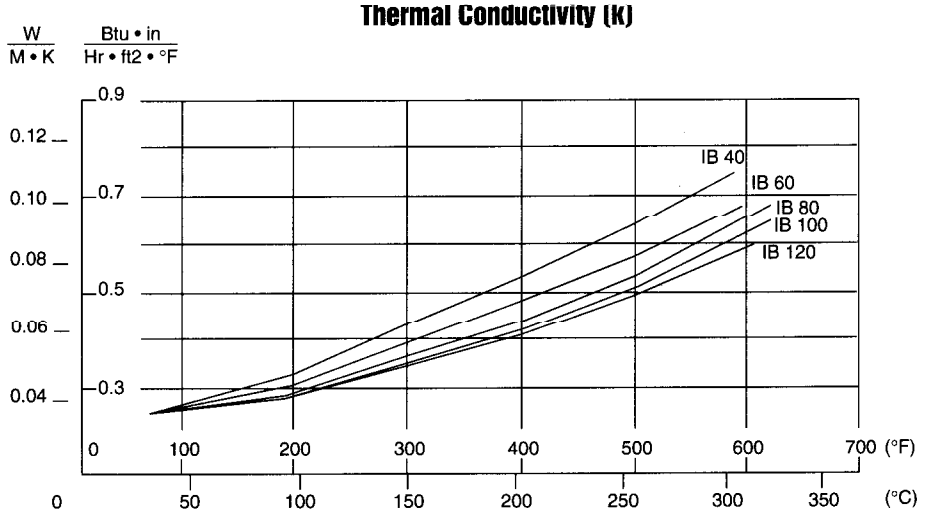
Product Nomenclature	Nominal Density (lb.)	Compliance	Max. Thickness Wabash (in.)	Max.Thickness Tacoma (in.)
Industrial Board 40	4	ASTM C 612-00, Type II	6	6
Industrial Board 60	6	ASTM C 612-00, Type III	6	4
Industrial Board 80	8	ASTM C 612-00, Type IVA	5	3
Industrial Board 100	10	ASTM C 612-00, Type IVA&B	4	2
Industrial Board 120	12	ASTM C 612 00, Type IV	4	N/A

*Non-standard sizes available

Thermal Performance

Based on measurements made in accordance with ASTM C-177 Steady State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded Hot Plate Apparatus.

Thermal Conductivity (k)



Mineral Wool Board

Other Information	Moisture Resistance	Adsorbs less than 1% by weight per ASTM C-553
	Stress Corrosion	Complies with ASTM C-795, MIL I 24244A
	Linear Shrinkage	0% at 1,050°F (551°C); <2% at 1200°F (649°C)
	Melt Point	>2000° F (1093°C)
	Combustibility	Rated noncombustible as defined by NFPA 220 when tested in accordance with ASTM E-136
	Surface Burning Characteristics	Flame spread 15; Smoke developed 0, per ASTM E-84

Specification Compliance

THERMAFIBER Industrial Board products comply to the following standards and specifications: ASTM E-84; ASTM E-136 (rated noncombustible as defined by NFPA Standard 220 when tested according to ASTM E136); ASTM C-177; ASTM C-411; ASTM C-518; ASTM C-553 (Federal Spec. HH-I-558B); ASTM C-612; ASTM C-1338; ASTM C-165.

Start Up Procedure

On initial start-up only, heat rise should not exceed 15°F per minute to allow binder to dissipate without excessive temperature rise. Thermal conductivity is not affected. When insulation is to be used in applications exposed to high air velocities. Adequate protection must be provided to prevent erosion of insulation. Severe vibration may cause degradation of insulation under some conditions. Contact your representative for recommendations on unusual applications.

Safety First

Follow good safety and industrial hygiene practices during handling and installing of all products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read material safety data sheets and related literature on products before specification and/or installation.

General

The information presented herein represents typical or average values obtained by ASTM or other standard methods. The values will vary due to normal manufacturing variations. The person using this product must determine its suitability for a particular application.