

Industrial Insulation

Thermafiber® Industrial Board

- + Used in continuous service up to 1200°F (649°C)
- + Easily fabricated and installed
- + Non-combustible
- + Excellent thermal performance and resiliency
- + Dimensionally stable at elevated temperatures
- + Non-corrosive



Thermafiber Industrial Board is used in mechanical equipment operating at continuous service temperatures such as boilers, furnaces, ovens, ducts, precipitators, and tanks.

Minimum
70%
Recycled
Content



Industrial Board is a semi-rigid, preformed mineral fiber insulation that is suitable for temperatures up to 1200°F (650°C)



Thermafiber®



Made in the USA

Thermafiber® Industrial Board

Description:

THERMAFIBER Industrial Board is an economical, semi-rigid, preformed mineral fiber insulation that offers excellent thermal and acoustical performance in both hot and cold applications. It conserves energy, maintains process temperatures, provides personnel protection, prevents condensations, and reduces noise emission and transmission. It is available in nominal densities from 4 to 12 lb./cu. ft and is suitable for temperatures up to 1200°F (650°C). 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.

Product Options:

Recycled Content Options¹:

Standard Fiber..... 70%

¹Recycled content options other than Standard must be specified at time of order.

Installation:

Thermafiber recommends mechanical attachment of Industrial Board products unless in an enclosed panel. Please contact your sales representative or the Thermafiber technical department for further questions.

Standard Sizes:

| Nominal Density | Thickness* | Widths** | Lengths** |
|-----------------|---------------|--------------|---------------|
| 3 - 4 pcf | 1½" - 7" | 24", 36, 72" | 48", 60", 72" |
| 6 - 8 pcf | 1" - 7" | 24", 36, 72" | 48", 60", 72" |
| 10 pcf | 1" - 5" | 24", 36, 72" | 48", 60", 72" |
| 12 pcf | 1" - 4" | 24", 36, 72" | 48", 60", 72" |
| Tolerances | + 1/4" - 1/8" | ± 1/8" | ± 1/2" |

*Thicknesses are available in ½" increments. **Custom sizes are available upon request.

Technical Data:

| Nominal Density | Thermal Conductivity ¹ tested to ASTM C 518 | | | | | | | Tested to ASTM E 84 | |
|-----------------|--|------|------|------|------|------|------|---------------------|-----------------|
| | K-factor – Btu • in/hr • ft ² • °F | | | | | | | Flame Spread | Smoke Developed |
| | 75° | 150° | 200° | 300° | 400° | 500° | 700° | | |
| 4 pcf | .25 | - | .35 | .44 | - | - | - | 0 | 0 |
| 6 pcf | .24 | - | .33 | .41 | .49 | .58 | - | 0 | 0 |
| 8 pcf | .24 | - | .30 | .38 | .46 | .56 | - | 0 | 0 |
| 9 pcf | .24 | - | .30 | .37 | .45 | .55 | - | 0 | 0 |
| 10 pcf | .24 | - | .29 | .35 | .43 | .53 | - | 0 | 0 |
| 12 pcf | .24 | .27 | - | .34 | - | .48 | .67 | 0 | 0 |

¹Degrees represent mean temperature

| Maximum Hot Surface Temperature One Side (enclosed panel) per ASTM C 411 | | |
|--|-----------------|-------------|
| Product Name | Nominal Density | Maximum ° F |
| Industrial Board 40 | 4 pcf | 600 |
| Industrial Board 60 | 6 pcf | 1,200 |
| Industrial Board 80 | 8 pcf | 1,200 |
| Industrial Board 90 | 9 pcf | 1,200 |
| Industrial Board 100 | 10 pcf | 1,200 |
| Industrial Board 120 | 12 pcf | 1,200 |

Standards Compliance:

ASTM E 136 Rated Non-Combustible per NFPA Standard 220
ASTM C 356 Linear shrinkage <2% @ 1200° F (650° C)
ASTM C 612 Industrial Board 40 Type IA; Industrial Board 60-100 Type IA, IB, II, III, IVA
ASTM C 612 Industrial Board 120 Type IA, IB, II, III, IVA, IVB
ASTM C 795 Complies
MIL-I-24244 Meets applicable analysis for austenitic stainless steel
HH-I-558B Federal Spec – Form C, Class 10 & 11
ASTM C 1338 Fungi Resistant

For Further Information:

For additional information about these or other Thermafiber products contact us at 1-888-834-2371 or visit our website www.thermafiber.com.

Notice:

THERMAFIBER, Inc. shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. THERMAFIBER liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing within thirty (30) days from date it was or reasonably should have been discovered.

Submittal Approvals:

| | |
|------------|------|
| Job Name | |
| Contractor | Date |

