

# 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.



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



**Thermafiber®**  
THE NAME IN MINERAL WOOL™



# 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 Options<sup>1</sup>:

Special "Green" Fiber..... 90%

Standard Fiber..... 70%

<sup>1</sup>Recycled 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" - 6"	24", 36, 72"	48", 60", 72"
6 - 8 pcf	1" - 6"	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 <sup>1</sup> tested to ASTM C 518							Tested to ASTM E 84	
	K-factor – Btu • in/hr • ft² • °F							Flame Spread	Smoke Developed
	75°	150°	200°	300°	400°	500°	700°		
4 pcf	.26	-	.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

<sup>1</sup>Degrees represent mean temperature

Standard Specifications tested to ASTM C 612		
Product Name	Nominal Density	Compliance
Industrial Board 40	4 pcf	Type 1A
Industrial Board 60	6 pcf	Type 1A, 1B, II
Industrial Board 80	8 pcf	Type 1A, 1B, II, III
Industrial Board 90	9 pcf	Type IA, IB, II, III
Industrial Board 100	10 pcf	Type IA, IB, II, III, IVA
Industrial Board 120	12 pcf	Type IVA & IVB

## Standards Compliance:

**ASTM E 136** Rated Non-Combustible per NFPA Standard 220  
**ASTM C 356** Linear shrinkage <2% @ 1200°F (650°C)  
**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](http://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

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