

# Industrial Insulation

## Thermafiber® Industrial Blanket

- + Used in continuous service up to 1200°F (649°C)
- + Easily fabricated and installed
- + Non-combustible
- + Will not wick moisture, non-corrosive
- + Excellent thermal performance and resiliency
- + Dimensionally stable at elevated temperatures



The flexibility of Thermafiber Industrial Blankets make it easy to install on cylindrical surfaces such as boilers, tanks, ducts, and large pipes.



Industrial Blankets offer excellent thermal and acoustical performance in both hot and cold applications to conserve energy, maintain process temperatures, and reduce noise emission and transmission.

Minimum  
**70%**  
Recycled  
Content



**Thermafiber®**



Made in the USA

# Thermafiber® Industrial Blanket

## Description:

THERMAFIBER Industrial Blankets are an economical, flexible insulation that is suitable for continuous service applications up to 1200°F. It provides excellent thermal and acoustical performance in both hot and cold applications to conserve energy, maintain process temperatures, prevent condensation, and reduce noise emission and transmission. It is available in nominal densities of 4 pcf, 6 pcf, 8 pcf, and 10 pcf. These asbestos-free products adsorb less than 1% moisture, are vermin proof and mold resistant. 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>:

Standard Fiber ..... 70%  
<sup>1</sup>Recycled content options other than Standard must be specified at time of order.

## Standard Sizes:

Product Name	Nominal Density	Thickness*	Widths**	Lengths**
Industrial Blanket 40	4.0 pcf	1½" - 7"	24", 36", 72"	48", 60", 72"
Industrial Blanket 60	6.0 pcf	1" - 7"	24", 36", 72"	48", 60", 72"
Industrial Blanket 80	8.0 pcf	1" - 7"	24", 36", 72"	48", 60", 72"
Industrial Blanket 100	10.0 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 • ft <sup>2</sup> • °F					Unfaced	
	75°	200°	300°	400°	500°	Flame Spread	Smoke Developed
4.0 pcf	.25	.35	.44	-	-	0	0
6.0 pcf	.24	.33	.41	.49	.58	0	0
8.0 pcf	.24	.30	.38	.46	.56	0	0
10.0 pcf	.24	.29	.35	.43	.53	0	0

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

Maximum Hot Surface Temperature One Side (enclosed panel) per ASTM C 411	
Nominal Density	Maximum °F
4.0 pcf	600
6.0 pcf – 10.0 pcf	1,200

Note: Temperatures above 450° require mechanical support

## Standards Compliance:

**ASTM E 136** Rated Non-Combustible per NFPA Standard 220  
**MIL-I-24244** Meets applicable analysis for austenitic stainless steel  
**ASTM C 356** Linear shrinkage <2% @ 1200°F (650°C)  
**ASTM C 1104** Adsorption less than 1% by volume

## 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:

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## Submittal Approvals:

Job Name	
Contractor	Date

