

## Submittal Sheet

# Industrial Blanket Insulation®

**Flexible Insulation for thermal and acoustical performance in commercial and industrial applications.**

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

## Description

THERMAFIBER Industrial Blanket Insulation is an economical, flexible, preformed mineral fiber insulation consisting of chemically inert mineral fibers bonded with a high temperature, thermosetting binder. Industrial Blanket Insulation is available in nominal densities from 4 to 10 lb./cu. ft., and suitable for temperatures up to 1200°F (650°C).

## Applications

THERMAFIBER Industrial Blanket 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 Blanket 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.

## General Information

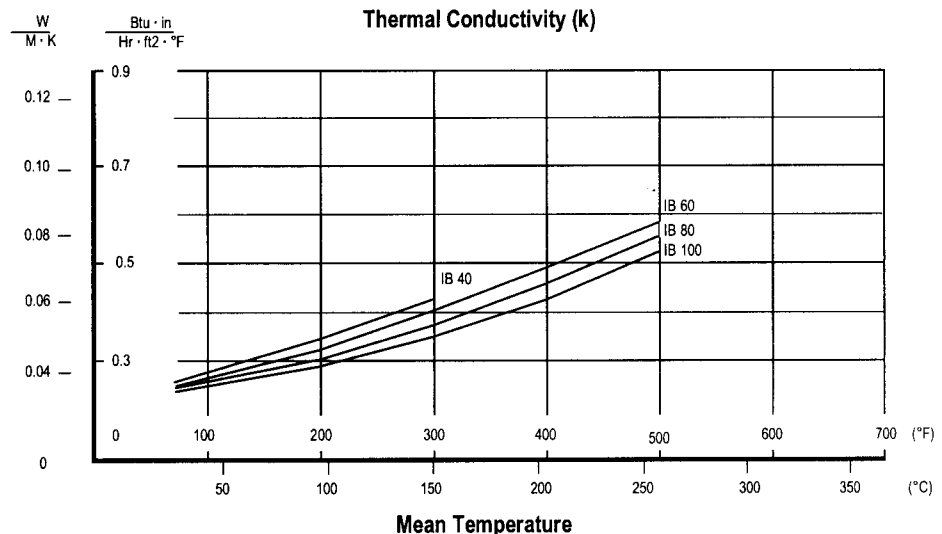
THERMAFIBER Industrial Blanket Insulation is available in four nominal densities, 4 through 10 lb./cu.ft. that meets or exceeds the requirements of ASTM C 553. Industrial Blanket Insulation products are available in various thicknesses from 1" to 6", in ½" increments. Standard width is 24"; standard length is 48".\*

### Product

Nomenclature	Nominal Density (lb.)	Compliance	Max. Thickness (in.)
Industrial Blanket 40	4	ASTM C 553, All Types	6
Industrial Blanket 60	6	ASTM C 553, All Types	6
Industrial Blanket 80	8	ASTM C 553, All Types	5
Industrial Blanket 100	10	ASTM C 553, All Types	4

\*Non-standard sizes available

## Thermal Performance



# Industrial Blanket Insulation®

---

<b>Other Information</b>	Moisture Resistance	Adsorbs less than 1% by weight per ASTM C 553
	Stress Corrosion	Complies with ASTM C 795 and MIL I 24244B
	Linear Shrinkage	<2 % at 1200°F (649°C)
	Melt Point	>2000° F (1093°C)
	Combustibility	Rated noncombustible per ASTM E 136
	Surface Burning Characteristics	Flame spread 15; Smoke developed 0, per ASTM E 84

---

<b>Specification Compliance</b>	THERMAFIBER Industrial Blanket Insulation products comply to the following standards and specifications: ASTM E 84; rated non combustible as defined by NFPA Standard 220 when tested according to ASTM E 136; ASTM C 177; ASTM C 411; ASTM C 518; ASTM C 553 (Federal Spec. HH-I-558B).
---------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

---

<b>Start Up Procedure</b>	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 Industrial Blanket Insulation is 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.
---------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

---

<b>Safety First</b>	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.
---------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

---

<b>General</b>	<p>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.</p> <p>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. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.</p>
----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------