

Easy to cut. Tough to tear.

“This is my insulation.”®



# ET BLANKET 1000°

**KNAUF**

## FACTS AT A GLANCE

- Increases system efficiency
- Decreases fuel usage
- Flexible and lightweight
- Tough and resilient

### DESCRIPTION

Knauf ET Blanket 1000° is a lightweight thermal insulation blanket (1.1 PCF, 17.6 kg/m<sup>3</sup>) made from highly resilient, inorganic glass fibers bonded by a high-temperature thermosetting resin.

### APPLICATION

Knauf ET Blanket 1000° is for industrial heating equipment to 1000°F (538°C), such as industrial furnaces, panel systems, marine applications and irregular surfaces.

### FEATURES AND BENEFITS

#### Excellent Thermal Properties

- Low thermal conductivity ratings to 1000°F (538°C).
- Increases system efficiency and decreases fuel usage.

#### Low-Cost Installation

- Lightweight and easy to handle and fabricate.
- Flexibility makes it ideal for flat or irregular surfaces.

#### Damage Resistant

- Tough and resilient.
- Resists damage in shipment and during and after installation.

### SPECIFICATION COMPLIANCE

#### In U.S.:

- ASTM C 795
- HH-I-558C; Form B, Class 7, 8
- MIL-I-22023D; Type I, Class 3; Type II, Class 3
- MIL-I-24244C
- NRC Reg. Guide 1.36
- USCG 164.109/18/0

#### In Canada:

- CAN 4-S102
- CCG 100/F1-314
- CGSB 51-GP-11M

### TECHNICAL DATA

#### Surface Burning Characteristics

- Does not exceed 25 Flame Spread, 50 Smoke Developed when tested in accordance with ASTM E 84, CAN 4-S102 and UL 723.

#### Water Vapor Sorption (ASTM C 1104)

- 0.1% or less by volume.

#### Temperature Limit (ASTM C 411)

- Up to 1000°F (538°C).

### Resists Microbial Growth (ASTM C 1338)

- No growth.
- Will not rot or sustain vermin.

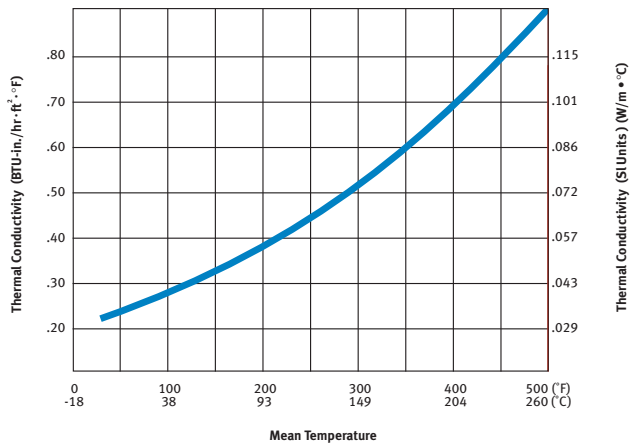
### Non-Corrosive (ASTM C 665)

- Will not accelerate corrosion of steel.
- Complies to stress corrosion requirements of ASTM C 795, MIL-I-24244C and NRC 1.36.

### PRECAUTIONS

- During initial heat-up to operating temperatures above 350°F (177°C), a slight odor and some smoke may be given off as a portion of the bonding material used in the insulation begins to undergo a controlled decomposition.
- If natural convection is not adequate in confined areas, forced ventilation should be provided in order to protect against any harmful fumes and vapors that might be generated.

### THERMAL EFFICIENCY (ASTM C 177)



Mean Temperature	k	k (SI)
100°F (38°C)	.28	.040
200°F (93°C)	.38	.055
300°F (149°C)	.52	.075
400°F (204°C)	.70	.101
500°F (260°C)	.90	.130

### STANDARD SIZES (ROLLS)

Thickness	Width	Length
1" (25 mm)	48" (1219 mm)	75' (22.90 m)
1½" (38 mm)		50' (15.20 m)
2" (51 mm)		75' (22.90 m)
2½" (64 mm)		60' (18.30 m)
3" (76 mm)		50' (15.20 m)
3½" (89 mm)		45' (13.70 m)
4" (102 mm)		40' (12.20 m)

### MADE-TO-ORDER SIZES

Thickness	Width	Length
1" (25 mm)	24" (610 mm) 36" (914 mm) 48" (1219 mm)	Custom
1½" (38 mm)		
2" (51 mm)		
2½" (64 mm)		
3" (76 mm)		
3½" (89 mm)		
4" (102 mm)		