

# TREO® 2000 Needled Blanket

**CAS Number: 329211-92-9**

**REVISED: JUNE 22, 2020**

**Classification Temperature: 2000°F (1100°C)**

**TREO® 2000** is McAllister Mills' latest Biosoluble High-Temperature Blanket which uses the latest in AES Fiber technology. The product has low shrinkage at use temperature, low thermal conductivity, and is easy to fabricate. The blanket is a flexible and resilient blanket that is unaffected by most chemicals except strong alkalis, phosphoric acid, and molybdenum.

**TREO® 2000** Needled Blanket is immune to thermal shock and requires no warning labels under Globally Harmonized System (GHS) for the classification and labeling of chemicals. Continuous use temperature is 1800°F (1000°C) however, maximum continuous use temperature depends on the application. Classification temperature 2000°F (1100°C).

Applications include: Power generation, annealing furnace, domestic oven insulation, exhaust heat shields, removable insulation covers, aluminum industry, and many others

**TREO® 2000** uses AES Fiber to produce this high-temperature insulation blanket. The product complies with all global standards for the Biosolubility of the fiber.



## STANDARD DIMENSIONS

1/4" Thickness: 48" wide x 50 ft/roll (200 ft<sup>2</sup>/rl)

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1/2" Thickness: 48" wide x 50 ft/roll (200 ft<sup>2</sup>/rl)

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3/4" Thickness: 48" wide x 33 ft/roll (132 ft<sup>2</sup>/rl)

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1 1/2" Thickness : 48" wide x 17 ft/roll (68 ft<sup>2</sup>/rl)

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2" Thickness: 48" wide x 12.5 ft/roll (50 ft<sup>2</sup>/rl)

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## CHEMICAL COMPOSITION

SiO<sub>2</sub>: 62-68

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CaO: 26-32

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MgO: 4-7

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CoA + MgO: -

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Color: White

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Shot Content %: <12

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Density (kg/m3): 128

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Tensile Strength (kPa): 70

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Permanent Linear Shrinkage %: 1100°C x 24h<1.0

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## **THERMAL CONDUCTIVITY (W/M K)**

200°C: 0.05

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400°C: 0.08

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600°C: 0.12

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800°C: 0.17

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1000°C: 0.25

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1200°C: -

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