

Product Data Sheet
Treo 2000 Needled Blanket
 McAllister Mills, Inc.
 Revised: June 22, 2020

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: Power Generation, Annealing Furnace, Domestic Oven Insulation, Exhaust Heat Shields, Removeable Insulation Covers, Aluminum Industry and many others

CAS Number 329211-92-9

<u>Description</u>	<u>Treo 2000</u>
Classification Temperature	2000°F
<u>Chemical Composition</u>	
SiO ₂	62-68
CaO	26-32
MgO	4-7
CoA + MgO	-
Color	White
Shot Content %	<12
Density (kg/m ³)	128
Tensile Strength (kPa)	70
Permanent Linear Shrinkage %	1100°C x 24h <1.0
<u>Thermal Conductivity (W/m K)</u>	
200°C	0.05
400°C	0.08
600°C	0.12
800°C	0.17
1000°C	0.25
1200°C	-

Standard Dimensions:

- ¼" Thickness – 48" wide x 50 ft/roll (200 ft²/rl)
- ½" Thickness – 48" wide x 50 ft/roll (200 ft²/rl)
- ¾" Thickness – 48" wide x 33 ft/roll (132 ft²/rl)
- 1" Thickness – 48" wide x 25 ft/roll (100 ft²/rl)
- 1 ½" Thickness – 48" wide x 17 ft/roll (68 ft²/rl)
- 2" Thickness – 48" wide x 12.5 ft/roll (50 ft²/rl)

TREO 2000 uses AES Fiber to produce this high temperature insulation blanket. Product complies with all global standards for Biosolubility of the fiber.