



## MaxWool® 2300

### Refractory Ceramic Fiber Blanket

**MaxWool 2300\*** high temperature insulating blankets are made from long strand spun, high purity ceramic fibers forming a strong, flexible needled product which provides superior insulation properties for usage at higher temperatures.

**MaxWool** ceramic blankets are completely inorganic, binderless products producing no smoke or flame.

**MaxWool 2300** is rated to **2300°F** (1260°C) and is available in a range of thicknesses and densities.

*\*Previously known as **MaxWool HPS***

#### Key Features

- Low Thermal Conductivity
- Low Heat Storage
- High Tensile Strength
- Thermal Shock Resistance
- Contains no Binder
- Contains no Asbestos
- Sound Absorption
- Easy to Install
- No Curing or Dry Out Time Required

Visit [nutec.com](http://nutec.com) for more information



### Physical Properties

Color	White
Maximum Use Temperature	2300°F (1260°C)
Continuous Use Temperature	2150°F (1177°C)
Shrinkage @ 2200°F/24 hrs	0-3%
Specific Heat (BTU/lb°F)	0.27
Average Fiber Diameter	3-4 Microns

### Chemical Composition (%)

Al <sub>2</sub> O <sub>3</sub>	44-50
SiO <sub>2</sub>	50-56
Trace Elements	Less than 1%
LOI	0

### MaxWool 2300

	4#	6#	8#	10#
<b>NOMINAL DENSITY</b> lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	4 (64)	6 (96)	8 (128)	10 (160)

### Thermal Conductivity BTU·in/hr·ft<sup>2</sup>·°F (W/mK)

MEAN TEMPERATURE	DENSITY 4#	DENSITY 6#	DENSITY 8#	DENSITY 10#
392°F (200°C)	0.42 (0.06)	0.42 (0.06)	0.38 (0.06)	0.37 (0.05)
752°F (400°C)	0.83 (0.12)	0.76 (0.11)	0.69 (0.1)	0.65 (0.09)
1112°F (600°C)	1.53 (0.22)	1.32 (0.19)	1.11 (0.16)	0.97 (0.14)
1472°F (800°C)	2.5 (0.36)	2.08 (0.30)	1.74 (0.25)	1.53 (0.22)
1832°F (1000°C)	3.75 (0.54)	3.05 (0.44)	2.43 (0.35)	2.08 (0.30)
<b>AVERAGE TENSILE STRENGTH</b>	6.5 psi	9.0 psi	12.8 psi	14.9 psi

### Standard Sizes \*For availability on custom specifications, please contact your NUTEC Sales Engineer

THICKNESS	DENSITY (lb/ft <sup>3</sup> )				WIDTH		LENGTH
½"	4	6	8		24"	48"	300"
½"	4	6	8	10	24"		600"
½"	4	6	8			48"	600"
1"	4	6	8	10	24"		300"
1"	4	6	8			48"	300"
1"	4	6	8		24"		600"
1"		6	8			48"	600"
1½"		6	8		24"	48"	150"
1½"		6	8		24"	48"	300"
2"	4	6	8		24"	48"	150"
2"	4	6	8		24"		300"
2"		6	8			48"	300"

Data are average results of tests conducted under standard procedures and are subject to variation. Results should not be used for specification purposes.

Please refer to the product Safety Data Sheet (SDS) for recommended work practices and other product safety information.

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