



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 needed 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.

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 for more information

MaxWool® 2300

Refractory Ceramic Fiber Blanket

Technical Data Sheet Rev. 18 (9/21/2022)

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 ₂ O ₃	44-50
SiO ₂	50-56
Trace Elements	Less than 1%
LOI	0

MaxWool 2300	MaxWool 4#	MaxWool 6#	MaxWool 8#	MaxWool 10#
NOMINAL DENSITY lb/ft ³ (kg/m ³)	4 (64)	6 (96)	8 (128)	10 (160)

Thermal Conductivity BTU·in/hr·ft ² ·°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)
AVERAGE TENSILE STRENGTH	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 ³)			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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