



**Flextech Engineering Inc.**  
www.flextechseals.com

**Product Description**

Excellent handling and hot strength. Low heat storage and light weight. Thermal shock resistant, excellent thermal stability, and high heat reflectance. Good sound absorption and excellent corrosion resistance.



## CER-WOOL Data Sheet

### High Temperature Ceramic Fiber Insulation

Physical Characteristics

<u>Color</u>	White
<u>Density, pcf</u>	4, 6, 8
<u>Thickness</u>	1/2", 1", 1 1/2", 2"
<u>Cont. temp. rating</u>	2150 °F
<u>Classification temp. rating</u>	2300 °F

Linear shrinkage, %

<u>@ 1900 °F</u>	<1
<u>@ 2000 °F</u>	1.3
<u>@ 2100 °F</u>	1.6
<u>@ 2200 °F</u>	2.5
<u>@ 2400 °F</u>	4.3

Chemical Analysis

<u>Al2O3</u>	44-49%
<u>SiO2</u>	50-54%
<u>ZrO2</u>	-
<u>Fe2O2</u>	<0.1%
<u>TiO2</u>	<0.1%

Thermal Conductivity (@8 pcf)  
BTU-in/hr-ft2-°F, ASTM C177

<u>mean temp. @ 500 °F</u>	0.47
<u>@ 1000 °F</u>	0.99
<u>@ 1500 °F</u>	1.71
<u>@ 1800 °F</u>	2.13
<u>@ 2000 °F</u>	2.43

CER-WOOL is a strong, light weight, flexible needled blanket made from long ceramic fibers. The fibers are cross locked through a unique forming process to produce a blanket with unexcelled handling strength. CER-WOOL is a highly efficient insulator having low heat

storage capacity and complete resistance to thermal shock. CER-WOOL is unaffected by most chemicals except hydrofluoric and phosphoric acids and concentrated alkalies. If wet by water or steam, thermal and physical properties remain unaffected after drying.