

# MaxWool™ spun ceramic wool blanket

MaxWool™ Blanket is composed of long, flexible, interwoven fibers manufactured by the “spun” process yielding a strong, lightweight, durable product. This material can be used for applications with temperatures from 1000 °F (538°C) to 2600°F (1425°C). MaxWool™ Blanket has high tensile strength for longer life and durability.

## FEATURES

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

## TYPICAL APPLICATIONS

### Refining and Petrochemical

- Reformer and Pyrolysis Furnaces
- Tube Seals, Gaskets and Expansion Joints
- High Temperature Pipe, Duct and Turbine Insulation
- Crude Oil Heater Linings

### Steel Industry

- Heat Treating and Annealing Furnaces
- Furnace Door Linings and Seals
- Soaking Pit Covers and Seals
- Furnace Hot Face Repairs
- Reheat Furnaces
- Ladle Covers

### Ceramic Industry

- Kiln Car Insulation and Seals
- Continuous and Batch Kilns



## Power Generation

- Boiler Insulation
- Boiler Doors
- Reusable Turbine Covers
- Pipe Covering

## Other Applications

- Insulation of Commercial Dryers and Covers
- Veneer Over Existing Refractory
- Stress Relieving Furnaces
- Glass Furnace Crown Insulation
- Fire Protection

Typical Physical Properties	LTS	HPS	HTZ
Density lb/ft <sup>3</sup> (kg / m <sup>3</sup> )	4, 6, 8, 10 (64, 96, 128, 160)	4, 6, 8, 10 (64, 96, 128, 160)	4, 6, 8, 10 (64, 96, 128, 160)
Maximum Use Limit, °F (°C)	2000 (1093)	2300 (1260)	2600 (1425)
Continuous Use Limit, °F (°C)	1800 (982)	2200 (1204)	2450 (1343)
Melting Point, °F (°C)	3200 (1760)	3200 (1760)	3200 (1760)
Average Fiber Diameter, microns	3.0	3.0	3.0
<b>Linear Shrinkage</b>			
24 Hrs @ 1832°F (1000 °C)	2.0	-	-
24 Hrs @ 2012°F (1100 °C)	-	1.8	-
24 Hrs @ 2372°F (1300 °C)	-	-	2.0
<b>Chemical Analysis (%)</b>			
Al <sub>2</sub> O <sub>3</sub>	42-46	44-50	28-32
SiO <sub>2</sub>	50-60	50-56	52-56
ZrO <sub>2</sub>	-	-	14-18
Trace Elements < 1%			