

## Kaowool® Sealcoat HT

Datasheet Code US: 5-14-1012

### Product Description

Kaowool Sealcoat HT is a pneumatically applied insulation material specifically designed for hot face lining applications up to 2600°F (1427°C). Its unique composition of ceramic fibers, proprietary binders and special additives is designed to yield a density that provides optimal insulation characteristics for many applications.

### Installation

Kaowool Sealcoat HT is supplied pre-mixed and ready to install from straight sided 5 gallon pails using the HS-100 Extrusion Pump or similar pump. The HS-100 Extrusion Pump is a redesigned extrusion pump which has been modified to pump Kaowool Sealcoat HT in a fast, efficient manner. These modifications optimize the pump's capabilities to provide a complete delivery system.

The Sealcoat Spray Nozzle assembly is designed to work in conjunction with the HS-100 Extrusion Pump. The combined system allows for an efficient wet gunning technology. Sealcoat can also be applied by trowel or caulking gun.

### Features

- Pliable, putty-like material
- Installation ready
- Good abrasion resistance
- Resistant to thermal and mechanical breakdown
- Improves insulation efficiency and erosion resistance

### Applications

- Grout refractory joints and gaps
- Hot face coating over fiber or dense refractory
- Seals furnace lining cracks
- Back-up lining
- Furnace maintenance and emergency repairs

### Availability

<u>Products</u>	<u>1 gallon pail</u>	<u>5 gallon pail</u>	<u>11 oz caulking tube</u>	<u>32 oz caulking tuber</u>
Kaowool Sealcoat HT	X	X	X	X

The values given herein are typical average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Therefore, the data contained herein should not be used for specification purposes. Check with your Morgan Advanced Materials office to obtain current information. This product may be covered by one or more patents or foreign equivalents: A list of patent numbers is available upon request to Morgan Advanced Materials plc.

## Kaowool® Sealcoat HT

<b>Mastics Product Name</b>	<b>Kaowool Sealcoat HT</b>
Fiber Class	RCF
Material Grade	Coating
<b>Physical Properties</b>	
Color	off white
Continuous Use Temperature, °F	2500
Continuous Use Temperature, °C	1371
Classification Temperature, °F	2600
Classification Temperature, °C	1427
Density, dried @ 230°F, pcf	32-36
Denisty, dried @ 110°C, kg/m <sup>3</sup>	513-577
Density, wet, pcf	78-82
Denisty, wet, kg/m <sup>3</sup>	1250-1314
Yield, cubic ft / gal	0.13
Yield, cubic m / L	0.004
Solids, %	41
Shelf life, months	12
<b>Permanent Linear Shrinkage, %, 24 hours</b>	
1500°F (816°C)	-0.2
2000°F (1093°C)	-1.8
2600°F (1426°C)	-2.9
<b>Chemical Analysis, % weight basis after firing</b>	
Alumina, Al <sub>2</sub> O <sub>3</sub>	45-48
Silica, SiO <sub>2</sub>	51-54
Other	1-2
<b>Thermal Conductivity, BTU•in/hr•ft<sup>2</sup>, per ASTM C201</b>	
500°F	0.6
1000°F	0.8
1500°F	1.1
2000°F	1.5
<b>Thermal Conductivity, W/m•K, per ASTM C201</b>	
260°C	0.09
538°C	0.12
816°C	0.16
1093°C	0.22

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