

## Zirconium Corundum Refractory Ramming Mass Ladle EAF Basic Ramming Mass

Our Product Introduction

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### Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: AZSD-5, AZSD-0.6, AZSD-0.4
- Minimum Order Quantity: 1 Ton
- Price: 200-800USD
- Packaging Details: packed on wooden pallets, with water-proof cover, and tightened with plastic/steel bandages
- Delivery Time: 20-30DAYS
- Payment Terms: TT; L/C
- Supply Ability: 2000tons /month



### Product Specification

- Application: Steel, Non-ferrous, Cement
- Bulk Density: 2.2-2.6 G/cm3
- Chemical Composition: Al<sub>2</sub>O<sub>3</sub>, MgO, SiO<sub>2</sub>, ZrO<sub>2</sub>
- Cold Crushing Strength: >=25 MPa
- Firing Temperature: 1300-1400
- Linear Change: <=0.2%
- Material: Alumina, Magnesia, Silica, Zirconia
- Porosity: <=20%
- Product Name: Refractory Ramming Mass
- Refractoriness: >=1700
- Refractoriness Under Load: >=1400
- Shape: Powder
- Softening Temperature: >=1400
- Thermal Conductivity: <=0.45 W/m.K
- Thermal Expansion: <=0.9%

### Product Description

#### Description of Zirconium Corundum Ramming Mass Ladle EAF Basic Ramming Mass

Ramming mass is composed of refractory aggregate, powder, binder, additives, etc. in proportion. The amount of powder used in the ramming mass is large, while the amount of binder is small. Due to the use of ramming methods for construction, it is called refractory ramming mass. Ramming mass into acid, neutral, alkaline three.

According to material classification, there are high alumina, clay, magnesium, dolomite, zirconium, and silicon carbide carbon refractory ramming mass.

Zirconium Corundum Ramming Mass is a specialized refractory material used in high-temperature applications, particularly in industries where extreme heat and wear resistance are required. It's designed to line the inner surfaces of furnaces, ladles, and other high-temperature vessels.

#### Features of Zirconium Corundum Ramming Mass Ladle EAF Basic Ramming Mass

- (1) It has thermal hardness, peeling resistance, wear resistance, and corrosion resistance.
- (2) It has a high operating temperature, generally between 1450 and 1700 .
- (3) No slag, fast setting speed, and easy to construct.

Our Product Introduction

(4) Energy saving and durability. Application It is mainly used for lining various industrial furnaces such as boilers, blast furnace iron trenches, converters, ferroalloy electric furnaces, open hearth furnaces, intermediate frequency furnaces, power frequency furnaces, tundishes, electric furnaces, rotary kiln discharge ports, hot blast furnaces, heating furnaces, ceramic kilns, and various non ferrous metal smelting furnaces such as copper, aluminum, and steel.

#### Application of Zirconium Corundum Ramming Mass Ladle EAF Basic Ramming Mass

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#### Parameters of Zirconium Corundum Ramming Mass Ladle EAF Basic Ramming Mass

Item	Index		
	AZSD-5	AZSD-0.6	AZ
Maximum Grain Size mm	5	0.6	
ZrO <sub>2</sub> %		≥30	
Al <sub>2</sub> O <sub>3</sub> %		≥48	
SiO <sub>2</sub> %		≤20	
Bulk Density g/cm <sup>3</sup>	3.2	3.1	
Phase Composition	α-Al <sub>2</sub> O <sub>3</sub> , Bshaddeleyite, Quartz, Glass phase		
Apparent Porosity %		≤20	
Compression Strength MPa 1400 ×3h		≥25	



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