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Aluminum Silicon Carbon Brick For Teeming Ladle



Aluminum Silicon Carbon Brick For Teeming Ladle is also called aluminum silicon carbide carbon brick of teeming ladle. It replaces traditional clay brick, high aluminum brick, etc. and is applied to the lining of steel ladle. The product has better anti peeling performance, anti scouring performance, anti molten steel corrosion performance, etc. the use effect is greatly superior to the traditional lining material of teeming ladle.

1. Product description

Aluminum Silicon Carbon Brick For Teeming Ladle is a refractory brick product developed to better adapt to the working environment of teeming ladle. The main raw materials are pyrophyllite or bauxite, fused silicon carbide, high-quality graphite, and antioxidants and additives. During the high-temperature use of the product, the high-temperature silicon carbide phase and mullite effectively improve the physical and mechanical properties of the product, improve the high-temperature resistance, thermal shock stability and scouring resistance of the product, Slag corrosion resistance, etc. the product structure is compact and is not easy to crack or fracture. Therefore, compared with traditional products, it effectively extends the service life of steel ladle, reduces the number of maintenance and reduces the production cost.

2, Main technical index of Aluminum silicon carbon brick for teeming ladle

Item	Unit	TR-A Bottom brick	TR-B Wall brick
Al ₂ O ₃	%	27-29	45-49
SiO ₂	%	44-46	22-24
SIC	%	4-6	7-9
Fixed carbon	%	10-12	11-13
Density	g/cm ³	2.50-2.60	2.60-2.70

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Porosity	%	<10	<10
Compressive strength	Mpa	≥30	≥35
Change rate of reheating line 1400°C*3h	%	±0.2	±0.2

3, Main characteristics of Aluminum Silicon Carbon Brick For Teeming Ladle

1) Higher density, lower porosity and better compactness than traditional refractory bricks

2) Good anti peeling performance, not easy to crack and fracture

3) Strong erosion resistance

4) The use effect is 3-5 times of the traditional lining refractory brick

4, Main purpose

It is mainly applied to the bottom and side wall of the ladle lining

5, Good feedback of product use effect, the products have been exported to South Korea, Japan, Pakistan

6, We are a professional supplier, who can provide customers with free product technology, use and other issues

Do you want to find a professional supplier of Aluminum Silicon Carbon Brick For Teeming Ladle?

Do you want to find a stable and credible supplier?

Then please contact with us

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