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Magnesia Carbon Quality Slide Plate



Magnesia Carbon Quality Slide Plate is produced on the basis of periclase sliding plate, which further improves the shortcomings of poor thermal shock resistance of periclase sliding plate, and obtains satisfactory application effect in the casting process of high oxygen steel and calcium treated steel. The Magnesia Carbon Quality Slide Plate has good slag corrosion resistance and thermal shock resistance, especially the slag corrosion resistance of Ca and CaO. Therefore, it has obtained good application effect in the casting process of calcium treated steel.

1,Description of Magnesia Carbon Quality Slide Plate

The magnesium oxide of the Magnesia Carbon Quality Slide Plate is resistant to high temperature, and has stronger corrosion resistance to Ca and CaO. In order to improve the thermal shock resistance and stability of the product, carbon and carbide with good thermal conductivity are added. Due to the high thermal conductivity of carbon and carbide, the thermal stress is alleviated and it is difficult to be wetted with the slag, so the slag resistance and thermal shock stability of the product are improved. The addition of compound antioxidant can protect the carbon from oxidation, increase the density and hinder the diffusion of oxygen and reaction products. Because of its unique performance, the product is used in the casting of calcium treated steel and high oxygen steel to replace the aluminum carbon slide plate and aluminum zirconium carbon slide plate, and has obtained good use effect.

2,Main performance parameter of Magnesia Carbon Quality Slide Plate

Item		Unit	Value
MgO		%	>80
C		%	6-8
Al ₂ O ₃		%	10-12
Density		g/cm ³	2.95-3.15
Porosity		%	≤7
Compression strength		Mpa	170-200
Flexural strength	20°C	Mpa	20-23
	1400°C, 30min		28-35

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Application		High calcium steel,Casting of killed steel
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3,Main characteristics of the product

- 1) The corrosion resistance of oxidation resistant calcium is superior. It is used in the casting of high calcium steel and killed steel with good effect
- 2) Good thermal conductivity and thermal shock resistance
- 3) With the addition of compound antioxidant, it has good antioxidant performance
- 4) High strength, good erosion resistance

4, Main purpose of the product

The products are mainly used for the casting of high calcium steel and killed steel

[Do you want to find a professional supplier of](#) Magnesita Carbon Quality Slide Plate?

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