



Oreworld trade (Tangshan) co., Ltd.

1. Introduction of Magnesia Chrome bricks:

Magnesia Chrome Bricks are made from high grade magnetite clinker and chrome oxide. By high pressure shaping and high temperature firing, its characteristic is the high direct-bonding rate, and big crystallite. It has a good thermal spalling resistance. The low-basic neutral nature gives itself a good slag resistance when servicing low-acid feed furnaces. The brick is a realistic lining material for refining furnace, electric furnace, glass melting furnace and cement rotary kiln etc.

2. Main physical and chemical index for Magnesia Chrome bricks

Item	MGR6	MGR8	MGR12	MGR16
MgO %	80	72	70	65
Cr ₂ O ₃ %	7	10	13	17
CaO %	1.2	1.2	1.2	1.2
SiO ₂ %	3.4	4	4	4.2
Al ₂ O ₃ %	4.5	6.5	6	6
Fe ₂ O ₃ %	4	4.8	5.5	6.5
Apparent Porosity %	17	18	18	18
Bulk Density g/cm ³	3	3	3.02	3.05
Cold Crushing Strength Mpa	55	55	55	50
Refractoriness Under Load °C	1600	1600	1600	1600

Direct-Bonded magnesite chrome brick

Item	DMGR4	DMGR8	DMGR12	DMGR16
MgO %	85	77	74	69
Cr ₂ O ₃ %	5.5	9.1	14	18
CaO %	1.1	1.4	1.2	1.2
SiO ₂ %	1.3	1.2	1.2	1.5
Al ₂ O ₃ %	3.5	4	3.5	4.5
Fe ₂ O ₃ %	3	6.4	5	5.7
Apparent Porosity %	18	18	18	18
Bulk Density g/cm ³	3.02	3.04	3.06	3.08
Cold Crushing Strength Mpa	50	50	55	55
Refractoriness Under Load °C	1700	1700	1700	1700
Thermal expansion % 1000°C	1	1	1	0.9
Thermal expansion % 1600°C	1.8	1.8	1.8	1.6



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3. Applications for the Magnesia Chrome bricks:

1. Furnaces of metallurgy industry, heat treatment furnace
2. Furnaces of chemical industry and construction industry.

4. Magnesia Chrome bricks packing

Products are packed on wooden pallet and then polyethylene film is placed over it, finally the package is tied up with steel strips.