Magnesia iron spinel brick

- MgO 85-88%
- Fe_2O_3 3.0-10.0%
- Bulk density ：2.95g/cm³
- Cold crushing strength ⩾80MPa

Application:

Chrome free and eco friendly, high compressive strength, resistant to thermal creep, thermal shock and erosion. Used in linings of high temperature and highly erosive parts of cement rotary kilns, steel electric furnaces and chemical high temperature reaction furnaces.

Technical Data:

Project		Magnesium - Iron Spinel Bricks		
		MFA - 1	MFA - 2	MFA - 3
Chemical Composition	MgO% ⩾	88	86	85
	Fe_2O_3 %	3.0 - 6.0	6.0 - 10.0	4.0 - 8.0
	Al_2O_3 %	2.0 - 5.0	2.0 - 5.0	2.0 - 5.0
	SiO_2 % ⩽	1	1	1
Bulk Density (g/cm³)		2.95	2.95	2.95
Apparent Porosity % ⩽		16	16	16
Compressive Strength at Normal Temperature MPa ⩾		80	80	80
Initial Softening Temperature under Load °C [0.2MPa×0.6%] ⩾		1700	1650	1680
Thermal-shock Stability, times [1100 °C, water-cooled] ⩾		10	8	10