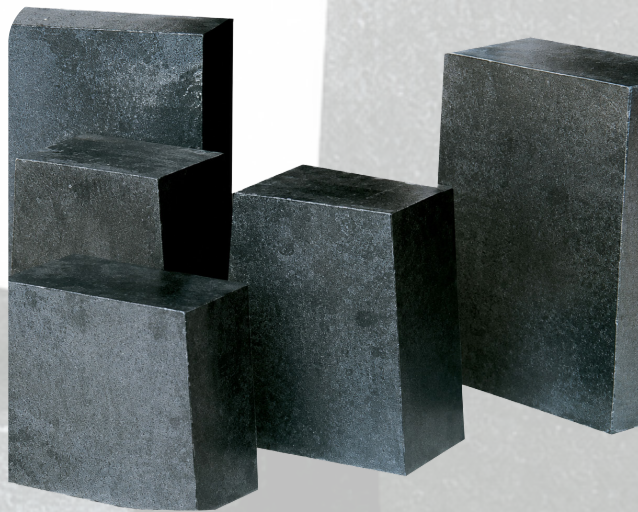


Magnesia-Carbon (MgO-C) Bricks

Magnesia-Carbon Bricks are high-performance, unburned basic refractories made from high-purity magnesia (MgO) and graphite (carbon), bonded with resin and containing antioxidant additives. They combine the excellent slag resistance of magnesia with the non-wetting and thermal shock resistance properties of carbon.

These bricks are essential in modern steelmaking due to their superior resistance to slag corrosion, thermal spalling, and oxidation. They are primarily used in converters (BOF), Electric Arc Furnaces (EAF), ladle slag lines, and other high-wear areas.



1. Typical Chemical & Physical Properties:

Products	MgO (min.)	C	Bulk Density (g/cm ³)	Apparent Porosity (%)	Cold Crushing Strength (MPa)
MgO-C 8	84	7-9	≥ 2.95	≤ 5.0	≥ 50
MgO-C 10	82	9-11	≥ 2.95	≤ 4.5	≥ 45
MgO-C 12	78	11-13	≥ 2.90	≤ 4.0	≥ 40
MgO-C 14-18	72-76	14-18	≥ 2.85	≤ 4.0	≥ 35

2. Typical Dimensions: Standard: 230 × 114 × 65 mm (or 76 mm)

3. Packing: Palletized in wooden crates or on strong pallets, steel strapped and wrapped with waterproof film.

- Other sizes and specifications are available upon request.