



Icon 7

DESCRIPTION: Magnesia-Alumina-Carbon brick, resin bonded, made with 100% fused grain. Very high erosion and slag resistance. Good oxidation resistance due to high purity flake graphite. With antioxidants.

USES INCLUDE: Electric Furnace Hotspots
Electric Furnace Sidewalls
Ladle Furnace Slaglines

CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS after ignition)

(Approximate % by weight)

MgO	87.0 %
CaO	1.8 %
SiO ₂	0.7 %
Fe ₂ O ₃	0.3 %
Al ₂ O ₃	10 %

TYPICAL AS RECEIVED PROPERTIES:

Bulk Density, Original g/cm ³ (lb/ft ³)	3.00 (187)
Crushing Strength psi	6000
Apparent Porosity %	2.5
% Carbon	5 – 20

The values reported above are average values derived from production data encompassing many different sizes and shapes. Actual data will vary to a small degree naturally, and as a function of size and shape. This form is not intended to be used for purposes of specification, it is informational only.

Version 20.11
