

FEDMAG: Magnesia-spinel brick

DESCRIPTION: Fedmag brick are produced from high purity, chrome free magnesia, high fired to offer excellent resistance to excessive thermal load and alkali attack. The product is extremely flexible and insulating while providing the ability to withstand thermal shock stresses experienced in rotary cement kilns. Fedmag rapidly generates and holds coating.

USES INCLUDE: All transition zones and burning zones of hard working cement kilns

CHEMICAL ANALYSIS: (Weight %)

Fedmag	80	87	92
Al ₂ O ₃	10	10	7
MgO	80	85	92
SiO ₂	3	1	0.3
CaO	1	1.2	1.0
Fe ₂ O ₃	1	0.5	0.5
TiO ₂	0.3	0.4	0.4

TYPICAL AS RECEIVED PROPERTIES:

Bulk Density, pcf (g/cc)	181 (2.90)	181 (2.90)	181(2.90)
Cold Crushing Strength, psi (MPa)	4350(30)	5800 (40)	5800 (40)
Apparent Porosity, %	17.5	18	18

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.