



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



MAGNO 80H

Classification:	Magnesia - Chrome Brick (Burned)
Main Raw Material Component:	Dead Burned Magnesia (DBM & Alpine) – Chromite
Type Of Bond:	Ceramic
Main Applications:	Burning Zone of cement rotary kilns (Critical operation), Excellent coating adherence, Good resistance to thermal shock, Low thermal conductivity, High cold crushing strength .

Chemical Composition (Calcined base)			
MgO %	Cr ₂ O ₃	Fe ₂ O ₃ %	SiO ₂ %
78 – 82	4.0 – 6.0	4.5 – 6.5	1.5 – 3.0

Physical Properties		
<i>Bulk density</i>	g/cm ³	> 2.90
<i>Cold crushing strength</i>	kg/cm ²	400-700
<i>Apparent porosity</i>	%	< 19
<i>Modulus of Rupture</i>	kg/cm ²	40-70

Thermomechanical Properties		
<i>Refractoriness under Load T05</i>	°C	Min 1450
<i>Reversible Linear thermal expansion (1400 °C)</i>	%	≈ 1.2

The above data are typical of the properties of commercial Standard brick .

The data are subject to reasonable variation and therefore should not be used for Specification purposes. They may not be regarded as committed specifications and therefore not as guaranteed properties .

ASTM Test Methods, where applicable, used for determination of data.

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