

PRODUCT BULLETIN

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CHICAGO *Fire Brick*

A Division of
**ALLIED MINERAL
PRODUCTS, INC.**

BRICKMIX 81 (AIR SET)

High Alumina Phosphate Free Plastic

Maximum Service Temperature..... 1760°C (3200°F)

Material Required 2.40 g/cm³ (150 lb./ft.³)

Storage Beyond 6 Months is not Recommended

Chemical Composition (Dried Basis)

	%
Al ₂ O ₃	80.9
SiO ₂	14.9
TiO ₂	2.5
Fe ₂ O ₃	1.0
Alkali	0.3

Physical Properties at Room Temperature

Temperature		Density		Linear Expansion	MOR	
(°C)	(°F)	g/cm ³	lb./ft. ³	%	MPa	psi
980	1800	2.23	139	0.1	1.3	190
1320	2400	2.27	142	0.3	1.9	270
1480	2700	2.11	132	1.7	1.1	160
1640	3000	1.94	121	3.6	1.2	170

(CWBM81)

5/31/11

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