

PRODUCT BULLETIN

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CHICAGO *Fire Brick*

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

DURAGUN 90

High Alumina Gunning Mix

Order the DURAGUN 90 NF version for addition of burn-out fibers.

Maximum Service Temperature 1760°C (3200°F)

Material Required 2.24 g/cm³ (140 lb./ft.³)*

Storage Beyond 6 Months is Not Recommended

Chemical Composition (Dried Basis)

	%
Al ₂ O ₃	90.2
SiO ₂	7.2
CaO	1.8
Alkali	0.5
Fe ₂ O ₃	0.2
MgO	0.1

Physical Properties at Room Temperature**

Temperature		Density		Linear Expansion	MOR		CCS		Porosity
(°C)	(°F)	g/cm ³	lb./ft. ³	%	MPa	psi	MPa	psi	%
105	220	2.29	143	0.0	2.2	320	5.2	750	-
540	1000	2.23	139	-0.1	1.4	200	4.5	650	37
1400	2550	2.26	141	-0.6	5.9	850	15.8	2300	35
1510	2750	2.21	138	-0.8	6.2	900	15.8	2300	34
1650	3000	2.27	142	-1.0	6.2	900	12.4	1800	33

* Rebound not included.

** Properties were measured on specimens cut from gunned panels.

(CWDG90)

Issued 07/24/09

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