

PRODUCT BULLETIN

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CHICAGO *Fire Brick*

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

CW PS SUPER PLASTIC

Super Duty Plastic

Maximum Service Temperature 1705°C (3100°F)

Material Required 2.45 g/cm³ (153 lb./ft.³)

Storage Beyond 6 Months is not Recommended

Chemical Composition (Dried Basis)

	<u>%</u>
SiO ₂	49.6
Al ₂ O ₃	44.3
TiO ₂	2.0
SO ₃	1.3
Fe ₂ O ₃	1.2
Alkali	1.0
MgO	0.3
CaO	0.2

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	2.31	144	-1.1	3.6	520	9.5	1380	-
480	900	2.27	142	-1.4	3.9	570	12.4	1800	22
1400	2550	2.11	132	-0.2	7.2	1050	103.4	2700	24
1510	2750	2.10	131	0.5	6.2	900	103.4	2500	25
1650	3000	2.08	130	0.6	9.6	1400	103.4	4500	23

(CWSP)

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