



XERCAST 80

PRODUCT DATA SHEET

XERCAST 80 is a high alumina, low cement, and low moisture castable. Designed to be used in a wide variety of applications, due to its minimum porosity and linear change with maximum density and high fired strengths. This material will withstand the severe high temperature corrosion and erosion that are common in the ferrous metals industries.

Maximum Service Temperature	3200°F+
Water Required for Mixing (as a % of weight)	4.4 – 5.4 %
Material Required Per Cubic Foot	180 lbs.
Packaging	64 - 55lb bags / pallet 1,000+lb Super Sacks

TYPICAL CHEMICAL ANALYSIS

Al_2O_3	SiO_2	CaO	TiO_2	Fe_2O_3	Alkalis
81.5	12.3	1.9	2.9	1.2	0.2

TYPICAL PHYSICAL PROPERTIES

Test Temperature (°F)	Bulk Density (pcf)	C.C.S. (psi)	CMOR (psi)	Apparent Porosity (%)	Permanent Linear Change (%)
220	174 - 181	10000	2000	10 - 14	Nil
1500	173 - 178	10000	2000	12 - 16	-0.2 to +0.1
2732	170 - 175	9000	1800	15 - 19	+0.5 to +1.0

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