PRODUCT

FUSEDCRETE AR

FUSED SILICA CASTABLE
ALUMINUM RESISTANT

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	2000°F
ASTM C-401	Class A
Lbs. Required Dry Mix Per Cu. Ft.	122 lbs.
% Water by Weight Required for Casting	Approx. 12%
Bulk Density After Drying at 230°F	127 lbs./cu.ft.
Cold Crushing Strength After Drying at 230°F	4000 - 6000 psi
MOR After Drying at 230°F	800 - 1200 psi

Permanent Linear Change

After Drying at 230°F	Negligible
After Heating to 1500°F	0.0 to -0.2%
After Heating to 1800°F	-0.1 to -0.4%

CHEMICAL ANALYSIS

Silica	[SiO_2]	69.2%
Alumina	[Al_20_3]	22.3%
Iron Oxide	[Fe_2O_3]	0.2%
Lime	[CaO]	6.3%

THERMAL CONDUCTIVITY BTU/SQ.FT./HR./°F/IN.

At 500°F	4.0
At 1000°F	4.5
At 1800°F	5.0

NOTE: All data subject to reasonable deviation and should not be used for specification purposes.

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MT. SAVAGE
SPECIALTY REFRACTORIES COMPANY• Pittsburgh, Pa. 15127 •

FUSEDCRETE AR is a fused silica castable with a proprietary additive to resist aluminum penetration. FUSEDCRETE AR has been cup tested with 7075 alloy for 72 hours with good results. FUSEDCRETE AR castable also has excellent thermal shock resistance and good strengths.