



TECHNICAL DATA

FURNAS CRETE GENERAL PURPOSE CASTABLE

Recommended Service Temperature Limit.....	2600°F
Water Required for Mixing.....	15-20%
Material Required Per Ft ³	108-114 lb
Packaging.....	55 lb bag

TEMPERATURE (°F)	BULK DENSITY (lb/ft ³)	LINEAR CHANGE (%)	MODULUS OF RUPTURE (lb/in ²)	COLD CRUSH STRENGTH (lb/in ²)
220	112-121	-0.5 to -0.1	300- 800	1000-1600
1500	108-114	-0.5 to -0.2	200- 300	600- 800
2000	108-115	-0.8 to -0.4	100- 300	600- 900
2250	116-120	-0.8 to -0.4	300- 600	700-1100
2550	110-122	-1.2 to+0.3	800-2100	2500-5500

CHEMICAL ANALYSIS: (Ignited)

Al ₂ O ₃	.....	40.3%
SiO ₂	.....	44.3
Fe ₂ O ₃	.....	3.4
TiO ₂	.....	2.1
CaO	.....	8.5
MgO	.....	0.3
Alkalies	.....	1.1

THERMAL CONDUCTIVITY: ASTM C-1113

Mean Temperature (°F)	K-Factor (BTU-in/hr-ft ² °F) Pour Cast
1500.....	6.2
2000.....	6.7
2500.....	6.3

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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