



TECHNICAL DATA

HI-STRENGTH™ COARSE 23 HIGH STRENGTH GENERAL PURPOSE CASTABLE

Recommended Service Temperature Limit.....	2350°F
Water Required For Mixing.....	9½ - 11½%
Material Required Per Ft³.....	139-144 lb
Packaging.....	55 lb bag

TEMPERATURE (°F)	BULK DENSITY (lb/ft³)	LINEAR CHANGE (%)	MODULUS OF RUPTURE (lb/in²)	COLD CRUSH STRENGTH (lb/in²)	K-FACTOR ASTM C-1113 (BTU-in/hr-ft² °F)
220	144-149	-0.1 to -0.3	1000-1500	8800- 9700	-----
1000	136-141	-0.1 to -0.3	600- 900	5000- 6300	7.0
1500	136-141	-0.1 to -0.3	500- 900	5600- 6400	7.3
2000	135-140	-0.1 to -0.3	400- 800	4000- 4500	7.7
2250	137-142	-0.1 to -0.4	700-1000	2400- 3500	-----

CHEMICAL ANALYSIS: (Ignited)

Al ₂ O ₃	.....	41.4%
SiO ₂	.....	37.4
Fe ₂ O ₃	.....	6.2
TiO ₂	.....	1.9
CaO	.....	11.7
MgO	.....	0.2
Alkalies	.....	1.2

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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