



Technical Data

KRICON® 32 LOW CEMENT CASTABLE

Recommended Service Temperature Limit 3200°F
 Water Required for Mixing
 :External Vibration..... 4.5 - 5.5%
 Material Required Per Ft³..... 152-158 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)	APPARENT POROSITY (%)
220	150-161	-----	1300-2300	6000-11000	8 - 12
1500	150-161	-0.4 to 0.0	1700-2700	6500-11000	11 - 15
2000	157-163	-0.6 to 0.0	3200-4200	7700-13700	11 - 15
2550	155-161	-0.1 to +0.5	3300-4300	10500-16500	12 - 16
2910	153-159	0.4 to +1.0	2800-3800	14100-20100	12 - 16

CHEMICAL ANALYSIS: (Ignited)

Al₂O₃ 63.4
 SiO₂ 31.7
 Fe₂O₃ 1.2
 TiO₂ 2.2
 CaO 1.2
 MgO 0.2
 Alkalies 0.2

THERMAL CONDUCTIVITY: ASTM C-1113

Mean Temperature (°F)	K-Factor (BTU-in/hr-ft ² °F) Pour Cast
1000.....	13.0
1500.....	14.4
2000.....	15.5
2500.....	14.6

HOT MODULUS OF RUPTURE: (lb/in²)

At 1500°F..... 3020-5020
 At 2000°F..... 3160-5160

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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