



PRODUCT DATA

Brand Name: EZ CUBED® 93LC

Description: EZ CUBED® 93LC is a Low Cement, 93% Alumina castable with High Abrasion Resistance. This product can be installed by vibration cast, self-flowing, pumping or shotcreting methods.

Physical properties shown are average values of samples taken under controlled conditions
ASTM test methods used where applicable

Maximum Service Temperature: 3400°F (1870°C)

Dry Material Required per Cubic Foot : 185 to 190 lbs. (approximate)

Recommended Mixing Time: 5 minutes

Typical Water Required for Mixing (by weight) :

Pumping/Self Leveling 5.3%

<u>Bulk Density (pcf)</u>	<u>Self Leveling Data</u>	
	After 220°F (105°C)	187
After 1500°F (815°C)	185	(2.96 g/cm ³)

<u>Cold Crushing Strength (psi)</u>		
After 1500°F (815°C)	10000 - 20000	(700 - 1400 kg/cm ²)

<u>Abrasion Loss (using ASTM C-704 Method)</u>		
After 1500°F (815°C)	5 cc	(average)

<u>Permanent Linear Change (%)</u>		
After 1500°F (815°C)	0.0 to -0.3	

<u>Thermal Conductivity (K Factor)</u>	<u>BTU/ft²/hr./°F/inch</u>	<u>W/mK</u>
Mean Temperature		
1500°F (815°C)	21.8	3.14
2000°F (1093°C)	20.4	2.94
2500°F (1371°C)	17.8	2.57

<u>Typical Chemical Analysis (%)</u>	
(Calcined Basis)	
Alumina (Al ₂ O ₃)	92.7
Silica (SiO ₂)	5.4
Iron Oxide (Fe ₂ O ₃)	0.1
Lime (CaO)	1.5
Alkalis (Na ₂ O+K ₂ O)	0.2

Standard Packaging: 55 lb bag. 72 bags per pallet. Bulk packaging available.

Brand Code: 0374

The properties shown on this data sheet represent typical average results 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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