



PRODUCT DATA

Brand Name: EZ CUBED® 80-15

Description: EZ CUBED® 80-15 is a Low Cement, 80% Alumina castable containing a silicon carbide addition that can be installed by vibration cast, self-flowing, pumping or shotcreting methods.

Physical properties shown are average values of samples taken from typical production
ASTM test methods used where applicable

Maximum Service Temperature: 3100°F (1704°C)

Dry Material Required per Cubic Foot : 180 - 185 lbs. (approximate)

Recommended Mixing Time: 5 minutes

Typical Water Required for Mixing (by weight) :

Pumping/Self Leveling 5.8%

Bulk Density (pcf)

After 220°F (105°C)
After 1500°F (815°C)

Pump Cast Data

182	(2.91 g/cm ³)
179	(2.86 g/cm ³)

Cold Crushing Strength (psi)

After 220°F (105°C)

6,000 (1050 kg/cm²)

Hot Modulus of Rupture (psi)

At 2500°F (1371°C)
At 2700°F (1482°C)

1000 - 1200 (70 - 84 kg/cm²)
400 - 600 (28 - 42 kg/cm²)

Permanent Linear Change (%)

After 1500°F (815°C)

0.0 to -0.3

Thermal Conductivity (K Factor)

Mean Temperature
1500°F (815°C)
2000°F (1093°C)
2500°F (1371°C)

<u>BTU/ft²/hr./°F/inch</u>	<u>W/mK</u>
23.8	3.43
23.4	3.37
24.2	3.49

Typical Chemical Analysis (%)

(Calcined Basis)

Silicon Carbide (SiC)	16.9
Alumina (Al ₂ O ₃)	75.4
Silica (SiO ₂)	4.2
Iron Oxide (Fe ₂ O ₃)	0.1
Titania (TiO ₂)	1.4
Lime (CaO)	1.2
Magnesia (MgO)	0.7
Alkalis (Na ₂ O+K ₂ O)	0.1

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

Brand Code: 1586

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.

RESKO PRODUCTS disclaims any express or implied warranties based on this sheet.

12/20/16 is the date that this data sheet was updated. Check with your RESKO sales representative or RESKO website to determine you have the current sheet.