



PRODUCT DATA

Brand Name:

EZ CUBED® 56SCPC

Description: EZ CUBED® 56SCPC is a Low Cement, Silicon Carbide-based castable. This product can be installed by vibration cast, 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: 2700°F (1482°C)

Dry Material Required per Cubic Foot : 160 lbs. (approximate)

Recommended Mixing Time: 5 minutes

Typical Water Required for Mixing (by weight) :

Vibration Casting 5.5%
Pumping Casting 6.8%

Bulk Density (pcf)

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

Pump Cast Data

157	(2.51 g/cm ³)
157	(2.51 g/cm ³)

Cold Crushing Strength (psi)

After 1500°F (815°C) 5,000 - 11,000 (350 - 770 kg/cm²)

Permanent Linear Change (%)

After 1500°F (815°C) 0.0 to -0.3

Erosion Loss (ASTM C-704 Method)

After 1500°F (815°C) 12 cc (average)

Thermal Conductivity (K Factor)

Mean Temperature	BTU/ft ² /hr./°F/inch	W/mK
1000°F (540°C)	39	5.62
1500°F (815°C)	42	6.06
2000°F (1093°C)	45	6.49

Typical Chemical Analysis (%)

(Calcined Basis)

Silicon Carbide (SiC)	55.8
Alumina (Al ₂ O ₃)	25.0
Silica (SiO ₂)	17.0
Iron Oxide (Fe ₂ O ₃)	0.2
Titania (TiO ₂)	0.3
Lime (CaO)	1.5
Magnesia (MgO)	0.1
Alkalis (Na ₂ O+K ₂ O)	0.1

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

Brand Code: 0393

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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