



PRODUCT DATA

Brand Name: EZ CUBED® 70PC

Description: EZ CUBED® 70PC is a Low Cement, 70% Alumina castable that 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: 3200°F (1760°C)

Recommended Mixing Time: 5 minutes

Typical Water Required for Mixing (by weight) :

Pump Casting	6.0%
Vibration Casting	5.0%

Bulk Density (pcf)

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

Pump Cast Data

158	(2.53 g/cm ³)
157	(2.51 g/cm ³)

Cold Crushing Strength (psi)

After 1500°F (815°C)

14,000	(980 kg/cm ²)
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Abrasion Loss (using ASTM C-704 Method)

After 1500°F (815°C)

8 cc	(typical)
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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>
11.0
10.0
10.0

<u>W/mK</u>
1.59
1.44
1.44

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	66.50
Silica (SiO ₂)	28.60
Iron Oxide (Fe ₂ O ₃)	1.00
Titania (TiO ₂)	1.80
Lime (CaO)	1.60
Magnesia (MgO)	0.10
Alkalis (Na ₂ O+K ₂ O)	0.20

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

Brand Code: 0401

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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