



PRODUCT DATA

EZ CUBED® 2800

Brand Name:

Description: EZ CUBED® 2800 is a cement-bonded, fireclay-based, 45% Alumina castable that can be installed by vibration cast, pumpcasting, self-leveling, or shotcreting methods..

Physical properties shown are average values of samples taken under controlled conditions

ASTM test methods used where applicable

Maximum Service Temperature: 2800°F (1538°C)

Dry Material Required per Cubic Foot : 140 lbs. (approximate)

Recommended Mixing Time: 5 minutes

Typical Water Required for Mixing (by weight) :

Pumping/Self Leveling	8.3%
Vibration Casting	5.5 - 6.0%

Self Leveling Data

Bulk Density (pcf)

After 220°F (105°C)	137	(2.19 g/cm ³)
After 1500°F (815°C)	136	(2.18 g/cm ³)

Cold Crushing Strength (psi)

After 220°F (105°C)	10000	(700 kg/cm ²)
After 1500°F (815°C)	11000	(770 kg/cm ²)

Hot Modulus of Rupture (psi)

At 2000°F (1093°C)	1200 - 2200	(84 - 154 kg/cm ²)
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Erosion Loss (ASTM C-704 Method)

After 1500°F (815°C)	10 cc	(typical)
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Permanent Linear Change (%)

After 1500°F (815°C)	0.0 to -0.3
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Thermal Conductivity (K Factor)

Mean Temperature	BTU/ft ² /hr./°F/inch	W/mK
1500°F (815°C)	10.5	1.51
2000°F (1093°C)	11.2	1.62

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	46.2
Silica (SiO ₂)	47.8
Iron Oxide (Fe ₂ O ₃)	0.8
Lime (CaO)	3.0
Titania (TiO ₂)	1.6
Magnesia (MgO)	0.1
Alkalis (Na ₂ O+K ₂ O)	0.2

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

Brand Code: 0840

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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