



**RESCO**  
PRODUCTS, INC.

Brand Name:

# PRODUCT DATA

## EZ CUBED® 3000

**Description:** EZ CUBED® 3000 is a Low Cement, 55% Alumina castable that 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: 3000°F (1650°C)**

**Recommended Mixing Time:** 5 minutes

**Typical Water Required for Mixing (by weight) :**

**Dry Material Required per Cubic Foot : 150 lbs.**

Pumping/Self Leveling ..... 7.0%

Vibration Casting ..... 5.5%

### Self Leveling Data

#### Bulk Density (pcf)

After 220°F (105°C)	146	(2.34 g/cm <sup>3</sup> )
After 1500°F (815°C)	150	(2.40 g/cm <sup>3</sup> )

#### Cold Crushing Strength (psi)

After 220°F (105°C)	5000 - 9000	(350 - 630 kg/cm <sup>2</sup> )
After 1500°F (815°C)	5000 - 11000	(350 - 770 kg/cm <sup>2</sup> )

#### Hot Modulus of Rupture (psi)

At 2000°F (1093°C)	1900 - 3000	(133 - 210 kg/cm <sup>2</sup> )
At 2500°F (1371°C)	1200 - 1800	(84 - 126 kg/cm <sup>2</sup> )

#### Permanent Linear Change (%)

After 1500°F (815°C) 0.0 to -0.3

#### Thermal Conductivity (K Factor)

Mean Temperature	BTU/ft <sup>2</sup> /hr./°F/inch	W/mK
1000°F (540°C)	16.9	2.45
1500°F (815°C)	17.2	2.50
2000°F (1093°C)	15.0	2.18

#### Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	54.1
Silica (SiO <sub>2</sub> ) .....	41.2
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.9
Lime (CaO) .....	1.6
Titania (TiO <sub>2</sub> ) .....	1.9
Magnesia (MgO) .....	0.1
Alkalis (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.2

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

Brand Code: 1668

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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