



# Low Cement Castable

## Product Data

### EZ Cubed 34ZLC

**EZ Cubed 34ZLC** is a 1600°C Zircon based low cement castable which requires no vibration to install. Super high strengths and abrasion resistance are achieved even when the material is mixed to a “Free Flowing” or “Self-Leveling” consistency.

**Maximum Service Temperature:** 2910°F (1600°C)

**Bulk Density:**

220°F (105°C)	172 lb/ft <sup>3</sup> (2752 kg/m <sup>3</sup> )
1500°F (815°C)	170 lb/ft <sup>3</sup> (2720 kg/m <sup>3</sup> )

**Porosity:** 15%

**Cold Crushing Strength:**

1500°F ( 815°C)	11000-16000 psi ( 770-1120 kg/cm <sup>2</sup> )
2750°F (1500°C)	24000-30000 psi (1680-2100 kg/cm <sup>2</sup> )

**Permanent Linear Change(%):**

1500°F ( 815°C)	0.0 to -0.3
2000°F (1095°C)	0.0 to -0.3

**Erosion Loss (ASTM C-704):**

1500°F (815°C)	Less than 7 cc
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**Thermal Conductivity or “K” Factor:**

Mean Temp.	BTU/ft <sup>2</sup> /HR/F/in	W/mK
1000°F ( 540°C)	11.0	1.59
2000°F (1095°C)	10.0	1.44

**Typical Chemical Analysis(%):**

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	ZrO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	CaO	Alkalies
34.0	41.5	21.5	0.5	0.8	1.4	0.3

**Standard Packaging:** 72 - 55 lb. bags per pallet

The properties shown on this data sheet represent typical average results generated 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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