



PRODUCT DATA

Brand Name: **EZ CAST 85-AL**
Description: EZ CAST 85-AL is an Aluminum-Resistant, Low Cement, 85% Alumina Castable that can be installed by vibration cast, pumpcasting, or self-leveling methods.

Maximum Service Temperature: 2200°F (1204°C)

Dry Material Required per Cubic Foot : 175 - 180 lbs. (approximate)

Recommended Mixing Time: 5 minutes

Typical Water Required for Mixing (by weight) :

Vibration Casting 4.5%
 Self-Flow 6.3%

<u>Bulk Density (pcf)</u>	<u>Self-Flow Data</u>	
After 220°F (105°C) :	170	(2720 kg/m ³)
After 1500°F (815°C) :	180	(2880 kg/m ³)

<u>Cold Crushing Strength (psi)</u>		
After 220°F (105°C) :	8,000	(560 kg/cm ²)
After 1500°F (815°C) :	15,000	(1050 kg/cm ²)

<u>Permanent Linear Change (%)</u>	
After 1500°F (815°C) :	0.0 to -0.2

<u>Hot Modulus of Rupture, psi</u>	
At 1500°F (815°C) :	6,500 (455 kg/cm ²)

<u>Erosion Loss using ASTM C-704 Method</u>	
After 1500°F (815°C):	5 cc (typical)

Typical Chemical Analysis, % (Calcined Basis)

Alumina (Al ₂ O ₃)	85.5
Silica (SiO ₂)	9.8
Iron Oxide (Fe ₂ O ₃)	0.8
Titania (TiO ₂)	2.2
Lime (CaO)	1.2
Magnesia (MgO)	0.1
Alkalis (Na ₂ O+K ₂ O)	0.4

Brand Code: 0832
Standard Packaging: 55 lbs bag, 72 bags per pallet. Bulk packaging available.

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), 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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