



# TECHNICAL DATA

## Furnacubed 65

65% ALUMINA LOW CEMENT CASTABLE FOR ALUMINUM CONTACT

Recommended Service Temperature Limit For	
:Aluminum Non-Wetting.....	2000°F
:All Other Applications.....	3000°F
Water Required for Mixing	
:Vibration Cast.....	5-5½%
:Pump Cast.....	6-6½%
Material Required Per Ft³.....	170 lb

**Bulk Density (lb/ft³)**

1500 °F (815 °C)	170
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**Cold Crushing Strength (lb/in²)**

1500 °F (815 °C)	16,790
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**Modulus of Rupture (lb/in²)**

1500 °F (815 °C)	2,500 - 3,500
2500 °F (1370 °C)	1,800 - 2,200

**Permanent Linear Change (%)**

1500 °F (815 °C)	0.0 to -0.3
2500 °F (1370 °C)	0.0 to +0.5

**Hot Modulus of Rupture (lb/in²)**

1500 °F (815 °C)	4,450
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**Typical Chemical Analysis (%)**

Al <sub>2</sub> O <sub>3</sub>	.....	64.3
SiO <sub>2</sub>	.....	24.6
Fe <sub>2</sub> O <sub>3</sub>	.....	1.0
TiO <sub>2</sub>	.....	1.8
CaO	.....	2.0
Alkalies	.....	0.3
Other	.....	6.0

**Aluminum Cup Test**

7075 Alloy, 1500°F, 72 Hours

Reaction.....	None
Penetration.....	None
Adherence.....	Moderate
Silicon Pickup.....	0.19%
Iron Pickup.....	0.00%

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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