



PRODUCT DATA

Brand Name: FURNACUBED™ 65

Description: A 65% alumina low-cement castable that offers excellent resistance to alkalis. It contains a non-wetting agent for aluminum contact, and it can be installed via vibration casting, pumping, and 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 (1649°C)
 2000°F (1093°C) Aluminum non-wetting

Dry Material Required per Cubic Foot : 170 lbs. (approximate)

Typical Water Required for Mixing (by weight) :

Vibration Cast 5.0 - 5.5%

Pump Cast 6.0 - 6.5%

<u>Bulk Density (pcf)</u>	<u>Vibration Cast Data</u>	
After 1500°F (815°C)	170	(2.72 g/cm ³)
<u>Cold Crushing Strength (psi)</u>		
After 1500°F (815°C)	16790	(1175 kg/cm ²)
<u>Modulus of Rupture (psi)</u>		
After 1500°F (815°C)	2500 - 3500	(175 - 245 kg/cm ²)
After 2500°F (1370°C)	1800 - 2200	(126 - 154 kg/cm ²)
<u>Permanent Linear Change (%)</u>		
After 1500°F (815°C)	-0.3 to 0.0	
After 2500°F (1370°C)	0.0 to 0.5	
<u>Hot Modulus of Rupture (psi)</u>		
At 1500°F (815°C)	4450	(312 kg/cm ²)

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	64.3
Silica (SiO ₂)	24.6
Iron Oxide (Fe ₂ O ₃)	1.0
Titania (TiO ₂)	1.8
Lime (CaO)	2.0
Alkalis (Na ₂ O+K ₂ O)	0.3
Other	6.0

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

Brand Code: 1476 3611 (1.5% SS Fibers)

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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