



# PRODUCT DATA

**Brand Name:** **UNIFORM 60 LCXC QF SC15**

**Description:** A coarse grain, low cement, 60% alumina precast mix that contains a silicon carbide addition, for improved penetration resistance. The product features good strength and dimensional stability. This precast mix is available with stainless steel fibers for improved cohesion, strength, and spall resistance.

Physical properties shown are average values of samples taken under controlled conditions  
ASTM test methods used where applicable

**Maximum Service Temperature: 3100°F (1700°C)**

	Pre-Cast Data	
<b><u>Bulk Density (pcf)</u></b>		
After 230°F (110°C)	161	(2.58 g/cm <sup>3</sup> )
<b><u>Cold Crushing Strength (psi)</u></b>		
After 230°F (110°C)	7500	(525 kg/cm <sup>2</sup> )
<b><u>Permanent Linear Change (%)</u></b>		
After 230°F (110°C)	0.0	
After 2200°F (1204°C)	+0.04	
After 2800°F (1204°C)	+1.0	

**Typical Chemical Analysis (%)**

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	60.8
Silica (SiO <sub>2</sub> ) .....	18.7
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.8
Titania (TiO <sub>2</sub> ) .....	1.9
Lime (CaO) .....	1.9
Silicon Carbide (SiC) .....	14.6
Other .....	1.3

Brand Code: 3500

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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