



# PRODUCT DATA

**Brand Name:** **UNIFORM 70 UCXC**

**Description:** UNIFORM 70 UCXC is a coarse grain-containing, ultralow cement, 70% alumina precast shape. This precast mix features excellent dimensional stability, strength, and corrosion resistance and is available with stainless steel fibers for additional 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 (1704°C)**

	Pre-Cast Data	
<b>Bulk Density (pcf)</b>		
After 1500°F (815°C)	164	(2.63 g/cm <sup>3</sup> )
<b>Modulus of Rupture (psi)</b>		
After 220°F (105°C)	2250	(158 kg/cm <sup>2</sup> )
After 1500°F (815°C)	3250	(228 kg/cm <sup>2</sup> )

### Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	70.7
Silica (SiO <sub>2</sub> ) .....	25.1
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.8
Titania (TiO <sub>2</sub> ) .....	2.2
Lime (CaO) .....	0.9
Magnesia (MgO) .....	0.1
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.2

Brand Code: 8974

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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