



PRODUCT DATA

Brand Name: R-MAX Z PC QT

Description: R-MAX Z PC QT is a zircon-containing high performance castable designed to provide maximum abrasion resistance and excellent strengths. After the final set, this unique castable can be heated without the traditional ramp-and-hold heatup schedule. R-MAX Z PC QT can be installed by vibration casting methods, to maximize properties, or by pumpcasting methods. This product has been enhanced with a ZIRCON addition.

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

Maximum Service Temperature: 3200°F (1760°C)

Typical Water Required for Mixing (by weight) :
Pump Casting 5.5%

<u>Bulk Density (pcf)</u>	<u>Pump Cast Data</u>	
	After 220°F (105°C)	169
After 1500°F (815°C)	166	(2.66 g/cm ³)

<u>Cold Crushing Strength (psi)</u>		
After 1500°F (815°C)	15000	(1050 kg/cm ²)

<u>Permanent Linear Change (%)</u>		
Green to 220°F (105°C)	-0.1 to 0.0	
220°F (105°C) to 1500°F (815°C)	-0.3 to 0.0	

<u>Abrasion Loss (using ASTM C-704 Method)</u>		
After 1500°F (815°C)	Less than 5 cc	

<u>Typical Chemical Analysis (%)</u> (Calcined Basis)		
Alumina (Al ₂ O ₃)	75.0	
Silica (SiO ₂)	17	
Lime (CaO)	2.0	
Titania (TiO ₂)	2.3	
Magnesia (MgO)	0.2	
Zirconia (ZrO ₂)	3.3	
Alkalies (Na ₂ O+K ₂ O)	0.2	

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

Brand Code: 8924

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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