



# PRODUCT DATA

**Brand Name:** RESCOCAST 88VC

**Description:** RESCOCAST 88VC casting grade erosion resistant refractory was designed specifically for vibration casting. When tested in the field, RESCOCAST 88VC will not only meet rigid field specifications but has also proven to be the best product for ease of mixing and placement.

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

**Maximum Service Temperature: 2750°F (1510°C)**

**Typical Water Required for Mixing (by weight) :**  
Vibration Cast ..... 7.2

	Vibration Cast Data	
<b>Bulk Density (pcf)</b>		
After 1500°F (815°C)	134	(2.14 g/cm <sup>3</sup> )

<b>Cold Crushing Strength (psi)</b>		
After 1500°F (815°C)	12000	(840 kg/cm <sup>2</sup> )

<b>Thermal Conductivity (K Factor)</b>	BTU/ft <sup>2</sup> /hr./°F/inch	W/mK
Mean Temperature		
1000°F (540°C)	8.0	1.16
1500°F (815°C)	8.4	1.22

<b>Permanent Linear Change (%)</b>	
Green to 1500°F (815°C)	-0.4 to 0.0
After 1500°F (815°C)	-0.3 to 0.0

<b>Abrasion Loss (using ASTM C-704 Method)</b>	
After 1500°F (815°C)	8 cc (max)

**Typical Chemical Analysis (%)**

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	50.6
Silica (SiO <sub>2</sub> ) .....	40.5
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.6
Titania (TiO <sub>2</sub> ) .....	1.2
Lime (CaO) .....	6.0
Magnesia (MgO) .....	0.9
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.2

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

Brand Code: 0337

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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