



PRODUCT DATA

Brand Name: RESCOCAST 8

Description: RESCOCAST 8 is a medium weight, insulating castable with a service limit temperature of 2800°F. A low iron content makes it suitable for most furnace atmospheres, including CO Boilers. RESCOCAST 8 can be installed by either casting or gunning.

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

Maximum Service Temperature: 2800°F (1540°C)

Typical Water Required for Mixing (by weight) :

Cast 27.0%
Predampening for Gunning 8.3 - 10.4%

<u>Bulk Density (pcf)</u>	<u>Casting Data</u>		<u>Gunning Data</u>	
After 1500°F (815°C)	89	(1.43 g/cm ³)	100	(1.60 g/cm ³)
<u>Cold Crushing Strength (psi)</u>				
After 1500°F (815°C)	950	(66.5 kg/cm ²)	1350	(94.5 kg/cm ²)
<u>Thermal Conductivity (K Factor)</u>				
Mean Temperature	<u>BTU/ft²/hr./°F/inch</u>	<u>W/mK</u>	<u>BTU/ft²/hr./°F/inch</u>	<u>W/mK</u>
500°F (260°C)	3.6	0.39	4.2	0.61
1000°F (540°C)	3.3	0.33	3.9	0.57
1500°F (815°C)	3.5	0.39	4.1	0.60
<u>Permanent Linear Change (%)</u>				
After 1500°F (815°C)	-0.3 to 0.0		-0.3 to 0.0	
After 2800°F (1540°C)	-2.0 to -1.2		-2.0 to -1.2	
<u>Porosity (%)</u>				
After 1000°F (540°C)	40.0		40.0	

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	45.8
Silica (SiO ₂)	45.2
Lime (CaO)	6.0
Iron Oxide (Fe ₂ O ₃)	0.7
Titania (TiO ₂)	1.0
Magnesia (MgO)	0.1
Alkalies (Na ₂ O+K ₂ O)	1.2

Standard Packaging: 50 lb bag. 50 bags per pallet. Bulk packaging available.

Brand Code: 0336

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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