



PRODUCT DATA

Brand Name:

RESCOCAST 15

Description:

RESCOCAST 15 is a hydraulic-setting, general duty castable with moderate resistance to abrasion and thermal shock. It is used in applications where high strength, moderate erosion resistance, and medium insulation values are required. Its ease of application by troweling, casting, or guniting makes it a material that can be easily installed.

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

Maximum Service Temperature: 2550°F (1440°C)

<u>Bulk Density (pcf)</u>	<u>Cast Data</u>	
	After 1500°F (815°C)	123
<u>Cold Crushing Strength (psi)</u>		
After 1500°F (815°C)	3750	(263 kg/cm ²)
After 2500°F (1370°C)	8500	(595 kg/cm ²)
<u>Modulus of Rupture (psi)</u>		
After 1500°F (815°C)	500	(35 kg/cm ²)
After 2500°F (1370°C)	600	(42 kg/cm ²)
<u>Thermal Conductivity (K Factor)</u>	<u>BTU/ft²/hr./°F/inch</u>	<u>W/mK</u>
1000°F (538°C)	4.0	0.58
1500°F (815°C)	4.6	0.66
2000°F (1095°C)	5.3	0.76
<u>Permanent Linear Change (%)</u>		
After 1500°F (815°C)	-0.3 to -0.1	
After 2000°F (1095°C)	-0.6 to -0.1	
After 2500°F (1370°C)	-1.4 to 0.0	

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	46.0
Silica (SiO ₂)	37.0
Iron Oxide (Fe ₂ O ₃)	3.2
Titania (TiO ₂)	1.8
Lime (CaO)	10.8
Magnesia (MgO)	0.2
Alkalies (Na ₂ O+K ₂ O)	0.5
Sulfur (S)	0.5

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

Brand Code: 0494

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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