



General Duty Castables

Product Data

RESCOCAST 15HT

RESCOCAST 15HT uses a higher purity binder, resulting in better physical properties than RESCOCAST 15 and superior resistance to chemical attack, particularly in reducing atmospheres. It can be applied by trowelling, guniting or casting which makes it a very versatile refractory.

Maximum Service Temperature: 2700°F (1480°C)

Bulk Density: 124 lbs/ft³ (1984 kg/m³)

Cold Crushing Strength:

220°F (105°C)	3500-4500	psi (245-315 kg/cm ²)
1500°F (815°C)	2000-4500	psi (140-315 kg/cm ²)
2500°F (1370°C)	3000-5000	psi (210-350 kg/cm ²)

Modulus of Rupture:

220°F (105°C)	1100-1400	psi (77-98 kg/cm ²)
1000°F (540°C)	500- 800	psi (35-56 kg/cm ²)
2500°F (1370°C)	800-1200	psi (56-84 kg/cm ²)

Permanent Linear Change(%):

220°F (105°C)	0.0 to -0.3
1500°F (815°C)	0 to -0.3
2500°F (1370°C)	0.0 to -1.0

Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /Hr/°F/in	W/mK
1000°F (540°C)	4.50	0.65
1500°F (815°C)	4.80	0.69
2000°F (1095°C)	5.20	0.75

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	TiO ₂	Alkalies
49.3	39.3	1.1	8.3	1.7	0.3

Standard Packaging: 72-55 lb. bags per pallet

The properties shown on this data sheet represent typical average results generated 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.

RESCO PRODUCTS disclaims any express or implied warranties based on this sheet.

02/28/08 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet

GUNNED DATA ON BACK OF PAGE

RESCOCAST 15HT

GUNITED DATA

<u>Maximum Service Temperature:</u>	2700°F (1480°C)
<u>Bulk Density:</u>	120-130 lbs/ft ³ (1920-2080 kg/m ³)
<u>Cold Crushing Strength:</u>	
1500°F (815°C)	2000-3000 psi (140-210 kg/cm ²)
2500°F (1370°C)	2000-3000 psi (140-210 kg/cm ²)
<u>Modulus of Rupture:</u>	
1500°F (815°C)	500- 800 psi (35-56 kg/cm ²)
2500°F (1370°C)	700-1000 psi (49-70 kg/cm ²)
<u>Permanent Linear Change(%):</u>	
1500°F (815°C)	0.0 to -0.3
2000°F (1095°C)	-0.1 to -0.5
2500°F (1370°C)	-0.3 to -1.4