



General Duty Castables

Product Data

RESCOCAST 15HT COARSE

RESCOCAST 15HT COARSE combines a higher purity binder in a coarse grain package, resulting in better physical properties than RESCOCAST 15 and superior resistance to chemical attack, particularly in reducing atmospheres. Maximum aggregate size is 1/2 to 3/4 of an inch. Designed for use where mechanical abuse and impacts are common.

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

Bulk Density: 127 lbs/ft³ (2032 kg/m³)

Cold Crushing Strength:

220°F (105°C)	5000-8000 psi (350-560 kg/cm ²)
1500°F (815°C)	4500-7000 psi (315-490 kg/cm ²)
2500°F (1370°C)	5000-8000 psi (350-560 kg/cm ²)

Modulus of Rupture:

220°F (105°C)	800-1200 psi (56-84 kg/cm ²)
1500°F (815°C)	700-1100 psi (49-77 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 -0.2
1500°F (815°C)	0.0 to -0.3
2500°F (1370°C)	0.0 to -1.0

Erosion Loss: ASTM C-704 Less than 22.0 cc

Thermal Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /Hr/°F/in	W/mK
1000°F (538°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	Alk.
48.4	38.0	1.1	10.7	1.6	0.2

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