



Extreme Service Castables

Product Data

RESCOCAST 17ACS

RESCOCAST 17ACS is a high purity, low iron, low silica hydraulic setting castable for high temperature steel mill applications. Low iron and low silica contents of less than 0.1 to 0.2 percent make **RESCOCAST 17ACS** an ideal choice for reducing atmospheres such as hydrogen and/or carbon monoxide.

Maximum Service Temperature: 3400°F (1870°C)

Bulk Density:

220°F (105°C)	173 lbs/ft ³ (2768 kg/m ³)
1500°F (815°C)	165 lbs/ft ³ (2640 kg/m ³)

Cold Crushing Strength:

1000°F (540°C)	9000-12000 psi (630-840 kg/cm ²)
1500°F (815°C)	8000-12000 psi (560-840 kg/cm ²)
2750°F (1510°C)	9000-14000 psi (630-980 kg/cm ²)

Modulus of Rupture:

1000°F (540°C)	1200-1800 psi (84-126 kg/cm ²)
1500°F (815°C)	1200-1800 psi (84-126 kg/cm ²)
2750°F (1510°C)	1800-2200 psi (126-154 kg/cm ²)

Permanent Linear Change(%):

1500°F (540°C)	-0.1 to -0.3
2750°F (1510°C)	-0.9 to -1.5

Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /Hr°F/in	W/mK
1000°F (540°C)	10.8	1.56
1500°F (815°C)	9.8	1.41
2000°F (1095°C)	9.7	1.40

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	Alkalies
94.9	0.1	0.1	4.6	0.1	0.2

Standard Packaging: 72 - 55 lb. bags per pallet

Data shown are average results of standard ASTM tests unless otherwise noted. Results may vary subject to normal variations in manufacturing, testing and installation procedures in the field.