PRODUCT

COROTEK HT

HIGH TEMPERATURE, CORROSION RESISTANT CASTABLE, GUN MIX

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	2550°F - 1399°C
ASTM C-401	Class C
Lbs. Required Dry Mix Per Cu. Ft.	125 lbs.
% Water Required for Casting	10.5%
Bulk Density After Drying at 230°F	129 lbs./cu.ft.
Cold Crushing Strength After Firing at 2000°F	6000 psi
Modulus of Rupture After Drying at 230°F	450 psi
Modulus of Rupture After Firing to 2000°F	1600 psi
Modulus of Rupture After Firing to 2400°F	1500 psi

CHEMICAL ANALYSIS

Silica	[SiO_2]	51.4%
Alumina	[Al_20_3]	41.3%
Sodium	[Na_2O]	3.3%
Titania	[TiO_2]	1.5%
Iron Oxide	[Fe_2O_3]	.9%
Trace		.3%

ACID RESISTANCE

COROTEK HT has exhibited excellent acid resistance in laboratory tests with boiling 38% HCL and 78% H_2SO_4 for 24 hours.

NOTE: All data subject to reasonable deviation and should not be used for specification purposes.

1950

MT. SAVAGE
SPECIALTY REFRACTORIES COMPANY• Pittsburgh, Pa. 15127 •

The working and setting times of COROTEK HT are influenced by temperature. During mixing, application, and setting, the material substrate and air temperatures should be between 50°F (10°C) and 90°F (32°C). All monolithic applications should be covered for 24 hours after placement.

TEMPERATURE	WORKING TIME	INITIAL SET	FINAL SET
50 - 60°F	60 minutes	6 hours	72 hours
60 - 70°F	45 minutes	4 hours	36 hours
70 - 80°F	30 - 45 minutes	3 hours	24 hours
80 - 90°F	20 minutes	2 hours	24 hours