



HUANGHE MINERALS CO.,LIMITED
PRODUCTS SPECIFICATION
PRODUCT REFRACTORY CEMENT

VERSION: 2006
CODE: T/QA
ORIGIN: CHINA / HENAN

Code	CA80	CA70	RC-65	RC-52	RC-52F	RC-40F
Chemical % [GB/T205]						
Al ₂ O ₃	77 (82)	68(72)	60 (65)	52 (55)	55	37
CaO	22	30	25 (29)	32 (35)		
SiO ₂	0.5(0.3)	1(0.5)	6(4)	8.0 (6.0)	5.5	6
Fe ₂ O ₃	0.5(0.2)	0.7 (0.2)	2 (1.5)	2.5 (2.0)		18
R ₂ O	0.4	0.4	0.4	0.4		
Physical						
Initial setting time [GB201 A]	>0.5hr (0.5-2.5hrs)	>0.5hr (0.5-2.5hrs)	>1hr (1-4hrs)	> 0.5hr (0.5-2.5hrs)	2hrs	>0.75hr
Final setting time [GB201 A]	<6hrs (1-6hrs)	<6hrs (1-6hrs)	<18hrs (2-10hrs)	<6hrs (3-5hrs)	8hrs	<3hrs
Flexural strength (MPa) [GB/T1761,GB201-2000]	4-5 (1day) 5-6 (3days)	5-6 (1day) 6-7 (3days)	2.5-5 (1day) 5-7 (3days) 10 (28days)	6-9 (1day) 7-10 (3 days)	10 11	5-8 (1day) 6-9 (3 days)
CCS (MPa) [GB/T1761,GB201-2000]	25-40 (1day) 30-50 (3days)	30-50 (1day) 40-60(3days)	25-60 (1day) 45-70 (3days) 85 (28days)	40-70 (1 day) 50-80 (3 days)	75 85	50-80 (1day) 60-90(3 days)
Size [GB/T1345]	325mesh 95%min pass	325mesh 95%min pass	325 mesh 95%min pass	200mesh 95%min pass		200mesh 95%min pass
Blaine (M ₂ /kg) [GB/T8074]	>700	>600	> 300	>300	>400	>270
Mineralogy	CA, CA ₂ ,a-Al ₂ O ₃	CA, CA ₂	CA ₂ , CA, C ₂ A ₂ S	CA, CA ₂ , CT,C ₂ AS		CA, C ₂ AS, C ₂ F
Pack	25kg/50kg bags stuffed in super sack/ 25/50kg bags on pallet wrapped/ in 1mt bag/					
Description	CA cement is made from pure calcined alumina and fine lime stone under strict mineralogical control in rotary kiln calcinations to form clinker and ground to cement, typical CA70 and CA80.		RC cement is made from mixing selected limestone and bauxite, calcined to partly or fully melted in rotary kiln, the clinkers are ground to cement. AL ₂ O ₃ —40-65%, the main mineralogy is CA, which can assure high earlier strength, quick hardening, and high refractoriness, suggest application temperature is 1400C.			
Application	Higher Al ₂ O ₃ , lower impurities, higher strength, widely applied for LCC or ULCC as hydraulic binder for refractory materials, used in metallurgical, chemistry, power-plant, building industries.		RC cement has earlier strength, quick hardening, widely used for refractory industry on monolithics, also some quick hardening building materials due to its good self-flow, anti-chemical attack characters.			
Counter-type	Secar 80	Secar 71	Secar 60		Secar51	Fundu 41
Price						