



INTRODUCTION

Consteel CACA series steel surface thermal insulation covering agent is formulated by various composites additive spectrum including expansion agent, absorbent, and heating agent on basis of specific demands of tundish casting and holding ladles and steel content requirement, and the CACA series features as following:

- Low thermal conductivity and high heating effectiveness lead to superior thermal insulation outcome;
- Extraordinary inclusions absorption ability which help purify the molten steel remarkably;
- Quick spreadability property contribute to the quick covering effect;
- Appropriate gravity benefit the no slag and on crust performance, non-corrosive to refractory lining and environmental-friendly design.



COMPOSITION&PROPERTY

Part number	Chemical Composition(wt%)						Melting point (°C)	Melting time (s)	Bulk density(g/cm ³)	Granularity (mm)	Expansion agent	Heat agent
	SiO ₂	CaO	Al ₂ O ₃	Fe ₂ O ₃	MgO	C						
CACA MC	25~45	13~28	18~35	2~15	2~5	2~5	1295~1358	<75	0.4~0.6	0.5~1.3	Meteorite	Coke
CACA GC	28~40	18~25	23~32	4~10	3~4	2~4	1305~1353	<74	0.4~0.6	0.5~1.3	Graphite	Coal
CACA PA	28~30	18~20	24~26	5~8	3.5~4	2.5~3.5	1310~1350	<73	0.4~0.6	0.5~1.3	Perlite	Ash
CACA MGC	25~45	13~28	18~35	2~15	2~5	2~5	1298~1360	<73	0.4~0.6	0.5~1.3	Meteorite&Graphite	Coke
CACA MGA	28~40	18~25	23~32	4~10	3~4	2~4	1302~1355	<73	0.4~0.6	0.5~1.3	Meteorite&Graphite	Ash
CACA MGCA	28~30	18~20	24~26	5~8	3.5~4	2.5~3.5	1312~1358	<73	0.4~0.6	0.5~1.3	Meteorite&Graphite	Coal&Ash

Note:
The above parameters are for customers' reference only, Consteel engineers will formulate the content of CACA covering agent according to the specific continuous casting features of our customer, which guarantee the optimal thermal insulation and purification efficacy.

HOW TO SELECT THE RIGHT ONE



This metallurgical additive is one art involves around experience and science, which means the more cases we have and the deeper analysis we reach will guarantee the more odds we can provide you with satisfactory formulation and granularity to meet your steel mills requirement. This is so-called "tailored design", in order to enable our engineer to provide you with the state of art design to fuel your optimal steel-making, please fill out the questionnaire correspondingly.

