

## INTRODUCTION

Consteel's CADO compound deoxidant is one cutting-edge deoxidization agent which is developed by Consteel's massive successful practices and research. This product can not only reduce the oxygen element in molten steel in converter, EAF, ladles and tundish, but also aims to decrease the deoxidation product activity to facilitate the pure slag formation. Besides, it has extra features as following:

- The deoxidation effectiveness is better than sole-component deoxidant due to higher reaction speed between multiple deoxidants and oxygen content;
- The derived various oxides are compatible and further generate secondary compounds which effectively eliminate the activity of sole oxide from sole-component deoxidant;
- The surface tension between the miscible compound and molten steel is smaller than sole oxide or steel, which contributes to the easier precipitation thus faster deoxidation reaction will be achieved;

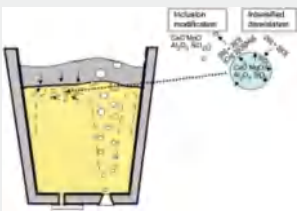


## COMPOSITION&PROPERTY

Part number	Chemical Composition(wt%)								Melting point (°C)	Melting time @1350 °C (s)	Granularity (mm)	Dosage (Kg/tonne)
	Ca	Si	Al	Ba	C	Mn	Fe	H <sub>2</sub> O				
CADO S	23~28	30~35	8~12	3~7	17±4	-	-	< 1	< 1350	< 60	10~50	1~2
CADO C	40~60	10~15	< 15	< 10	-	-	< 10	< 1	< 1350	< 60	10~50	1~2
CADO A	-	23~28	35~37	-	-	-	< 1	< 1	< 1320	< 70	10~50	1~2
CADO A1	-	18~22	48~52	-	-	-	< 1	< 1	< 1320	< 70	10~50	1~2
CADO A2	-	-	58~62	-	-	18~20	< 1	< 1	< 1320	< 70	10~50	1~2

Note:  
The above parameters are for customers' reference only. Consteel engineers will formulate the content of CADO deoxidant according to the specific metallurgical features of our customer, which guarantee the optimal de-oxidation and liquid steel purification efficacy.

## HOW TO SELECT THE RIGHT ONE



The design & configuration of CADO compound de-oxidant is one art involves of practice and science, which means the more cases we have and the deeper analysis we make will highly enhance the probability of selection of the appropriate formulation and granularity to meet your steel mills requirement. 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 relevant questionnaire correspondingly, and this is so-called "tailored design" for our clients.

