



INTRODUCTION

Consteel's CAFA series arc-submerged foaming activator apply high-grade carbonate as basic material together with active alumina, magnesia and organic foaming substance as compound additive. CAFA series is widely utilized in the EAF and refining ladles application, which can effectively form the slag with quick and sustainable response features along with the following typical benefits

- Getting rid of unfavorable elements in molten steel like P, S and harmful inclusions with high efficiency and rapid reaction;
- Ensure the favorable reaction between the C and O element which purify the steel composition;
- Reduce the smelting duration which bring economic benefits to steel-makers;
- Reduce the detrimental arc radiation wear to EAF roof and refractory, which further lead to cost cut-down;
- Diminish the power consumption economically and environmental-friendly.

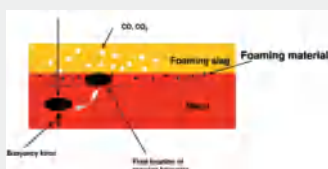


COMPOSITION&PROPERTY

Part number	Chemical Composition(wt%)								Melting point (°C)	Granularity (mm)	Caustic soda concentration (%)	Foam Height (mm)	Application	Usage (Kg/tonne)	Suitable Steel Category
	SiO ₂	CaO	CaC ₂	Al ₂ O ₃	Fe ₂ O ₃	MgO	BaO	C							
CAFA 30	6	≥30	≥15	≈2	≈2	≈22	≥8	≥10	≤1320	5~1	≥35	≈300	EAF & Ladles	2~3	Carbon steel & stainless steel & alloy steel
CAFA 37	7	≥37	≥10	≈4	≈3	≈22	≥10	≥5	≤1320	5~1	≥35	≈400	EAF & Ladles	2~3	
CAFA 34	8	≥34	≥11	≈5	≈2	≈22	≥9	≥9	≤1320	5~1	≥35	≈350	EAF & Ladles	2~3	

Note:
The above parameters are for customers' reference only, Consteel engineers will formulate the content of CAFA slag foamer according to the specific smelting features of our customer, which guarantee the optimal foam viscosity and basicity to hit the sweet spot for foaming.

HOW TO SELECT THE RIGHT ONE



The design&configuration of CAFA foaming activator 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 improve the smelting or refining process, in order to enable our engineer to design the most satisfactory formulation for you, please fill out the relevant questionnaire correspondingly, and this is so-called "tailored design" for our clients.

