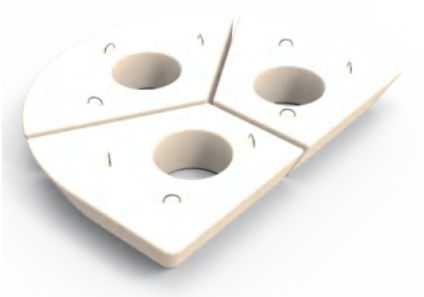
INTRODUCTION

Consteel CFR series EAF delta roof is widely used in steel mills which is capable of enduring the harsh working environment due to it's optimal composition formula and strict process quality control. Therefore it features in following aspects--

- Wide capability range from 50Ton to 160tons of EAF;
- Premium performance in thermal shock resistance;
- High temperature radiation resistant castable like chrome-corundum is adopted as electrode ring material;
- Extraordinary slag & gas flow erosion resistant performance;

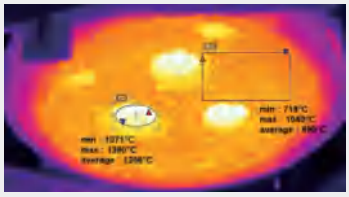


COMPOSITION&PROPERTY

Model		CFR50A	CFR80A	CFR100A	CFR120A	CFR80B	CFR100B	CFR120B	CFR160B
Bulk density	(g/cm^3)	2.86	2.91	2.98	3.01	2.95	2.99	3.02	3.09
Bonding material		Resin	Resin	Resin	Resin	Resin	Resin	Resin	Resin
Apparent Porosity	(%)	13	12	11	11	12	10	10	9
Al_2O_3	≥ (wt%)	78	80	83	80	82	83	85	86
MgO	≥ (wt%)	10	10	9	10	10	9	8	8
C	≥ (wt%)	5	4	4	3	4	3	3	2
Cr_2O_3	≥ (wt%)	-	-	3	5	3	4	2	2
CCS	≥ (Mpa @ 25℃)	30	35	35	35	40	40	45	45
HCS	≥ (Mpa @ 1500℃)	60	60	62	65	65	65	68	68
Linear change on reheating	(%)	±0.4	±0.3	±0.3	±0.3	±0.3	±0.3	±0.3	±0.2
MOR	(Mpa@110℃)	6	6	7	7	7	8	8	8
HMOR	(Mpa@1500℃)	12	13	15	13	13	14	15	15
EAF capacity range	Ton	50	80	100	120	80	100	120	160

Note:
The above parameters are for customers' reference only and please help fill out some questionnaire from our sales engineer with information of your smelting features and EAF structure which enable our engineer to configure and customize the particular product for your application.

HOW TO SELECT THE RIGHT ONE



When it comes to the design & configurations of Delta roof, in addition to take into account the structure and size of specific EAF furnace, the particular furnace working conditions which determine the wearing mechanism of roof must be weighed for the formula design and processing treatment. Consteel had veteran experiences in not only above aspects but also the final inspection to guarantee our customer the top quality products.