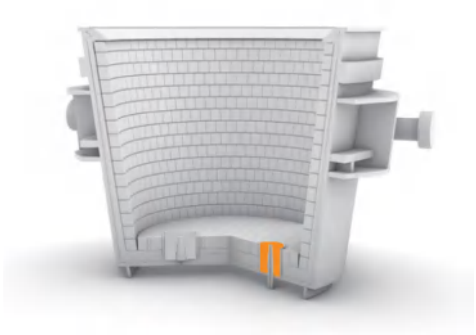
INTRODUCTION

Consteel CFWN special formula well blocks for ladle nozzles which have superior performance in life expectancy due to delicate chemical compo stion formulation with sound granularity spectrum allocation and high c ompression strength process which thereby result in following features.

- Tough high temperature strength which lead to high erosion enduran ce;
- Extremely low linear change ratio under thermal shock which lead to high shape stability under severe working environment;
- Inner stair-case design and remarkably diminish the wear of block;



COMPOSITION&PROPERTY

Model		CFWN-AM80	CFWN-A90	CFWN-AM93	CFWN-CR85	CFWN-CR95
Bulk density	≥ (g/cm^3)	2.8	2.9	2.9	3	3
Apparent Porosity	≤ (%)	14	13	13	13	12
Al_2O_3	≥ (wt%)	-	90	-	-	-
Al_2O_3+MgO	≥ (wt%)	80	-	93	-	-
Al_2O_3+Cr_2O_3	≥ (wt%)	-	-	-	85	95
CCS	≥ (Mpa @ 110℃ *24h)	40	40	50	60	65
HCS	≥ (Mpa @ 1500℃ *3h)	55	60	80	80	80
MOR	≥ (Mpa @ 110℃ *24h)	6	6	7	7	7
HMOR	≥ (Mpa @ 1500℃ *3h)	12	13	13	13	13
Linear change on reheating	(%)	0~+0.5	0~+0.5	0~+0.5	-0.2-+0.6	-0.2-+0.6
Refractoriness	≥ (℃)	1750	1750	1750	1750	1750
Application	-	Small-medium ladle	Small-medium ladle	Large-ladle&refining	Small-medium ladle	Large-ladle&refining

Note:
The parameters in above sheet are for customers' reference only and please help fill out some questionnaire from our sales engineer with information of your smelting features to 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 well blocks, in addition to take into account the structure and size of specific nozzles size, the particular furnace workin g conditions which determine the wearing mechanism must be conceived and weig hed for the formula design and processing treatment. Consteel has veteran experi ences in not only above aspects but also the final inspection to guarantee our custo mer the top quality products.