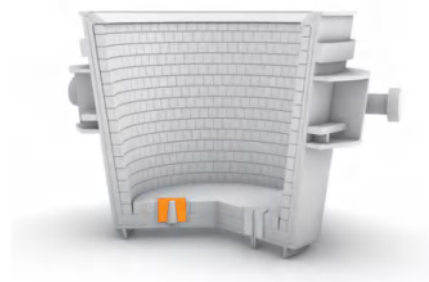




INTRODUCTION

Consteel CFWP special formula well blocks for ladles purging plug which have specific working environment design features not only limited to the chemical composition, but also the structural aspects, they are characterized by following aspects

- Excellent thermal shock resistant, molten steel, inclusions erosion & corrosion resistant ;
- Superior performance in life expectancy;
- Designed and inspected according to particular applications;
- Extraordinary convenient to fabrication & replacement to save cost for customers;



COMPOSITION&PROPERTY

Model		CFWP A78	CFWP A83	CFWP A80	CFWP A84	CFWP A85	CFWP A86
Type	-	Economical	Premium	Economical	Premium	Economical	Premium
Bulk density	g/cm ³	2.86	2.98	3.01	2.99	3.02	4.09
Bonding material	-	Resin	Resin	Resin	Resin	Resin	Resin
Apparent Porosity	(%)	13	11	11	10	10	9
Al ₂ O ₃	≥ (wt%)	78	83	80	84	85	86
MgO	≥ (wt%)	10	9	10	9	8	8
C	≥ (wt%)	5	4	3	3	3	2
Cr ₂ O ₃	≥ (wt%)	-	3	5	4	2	2
CCS	≥ (Mpa @ 25°C)	30	35	35	40	50	60
HCS	≥ (Mpa @ 1500°C)	60	62	65	65	68	68
Linear change on reheating	(%)	±0.4	±0.3	±0.3	±0.3	±0.3	±0.3
MOR	(Mpa@110°C)	6	7	7	8	8	8
HMOR	(Mpa@1500°C)	12	15	13	14	15	15
Applications	-	Purging plug	Purging plug	Purging plug	Purging plug	Purging plug	Purging plug

Note:
The above parameters are for customers' reference only and for the particular product configuration, please reach our sales engineer to fill up some questionnaire to enable us to provide the one meeting with your smelting process features and specific TCO target.

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 EAF/LF furnace, the particular furnace working conditions which determine the wearing mechanism must be conceived and weighed for the formula design and processing treatment. Consteel has veteran experiences in not only above aspects but also the final inspection to guarantee our customer the top quality purging plug.

