



INTRODUCTION

The Consteel CMM series is particularly formulated on the basis of the refractory material type they are bonded with and application characteristic while made of a appropriate combination of high quality magnesia, corundum, bauxite and graphite, etc as basic formulation along with suitable binder according to the optimal grain size distribution and process method, which bring the mortar with superior performances as high bonding strength, quick bonding reaction, high sintering strength, highly anti-erosion and anti-corrosion in massive electric arc furnace and various ladles applications.

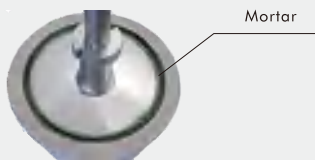


COMPOSITION&PROPERTY

Part number	Chemical Composition(wt%)				Refractoriness (°C)	BD(g/cm ³)	Bonding speed (Sec@110°C)	Grain size(mm)	Water ratio(wt%)	CCS(MPa)		Applications
	Al ₂ O ₃	MgO	Cr ₂ O ₃	C						110°C×24h	1400°C×3h	
CMM-BM93	≥5	≥93	-	-	≥1850	≥3.3	40~120	1~0.05	25~33	5~20	25~40	Basic bricks fabrication bonding
CMM-BM90	≥5	≥90	-	-	≥1850	≥3.3	40~120	1~0.05	25~33	5~20	25~40	
CMM-BM85	≥5	≥85	-	-	≥1850	≥3.2	40~120	1~0.05	25~33	5~20	25~40	
CMM-BM82	≥5	≥82	-	-	≥1850	≥3.1	40~120	1~0.05	25~33	5~20	25~40	
CMM-BM75	≥8	≥75	-	-	≥1850	≥2.8	40~120	1~0.05	25~33	5~20	25~40	
CMM-BMC65	≥10	≥65	-	10	≥1850	≥2.6	40~120	1~0.05	25~33	5~20	25~40	
CMM-BMR50	≥20	≥50	≥4	-	≥1850	≥2.5	40~120	1~0.05	25~33	5~20	25~40	
CMM-WAR80	≥80	≥5	≥4	-	≥1790	≥2.3	40~120	1~0.05	20~30	10~30	40~65	Ladle tapping well blocks, plates
CMM-WAR60	≥60	≥5	≥10	-	≥1700	≥2.3	40~120	1~0.05	20~35	20~30	40~70	Purging plugs, nozzles, plates

Note: The above parameters are for customers' reference only, Consteel engineers will formulate the content of CMM mortar based on the specific bonding bricks and other structures, which guarantee the optimal working efficacy of mortar. Specific batch product testing report with installation instructions will be available by Consteel.

HOW TO SELECT THE RIGHT ONE



The unshaped refractory mix is special art involves around experience and science, which means the more cases we have and the deeper analysis we make will guarantee the high odds we can provide you with satisfactory formulation and granularity to meet your steel mills requirement. In order to enable our engineer to configure with the state of art design to fuel your optimal steel-making, please fill out the questionnaire correspondingly. And this is so-called "tailored design" for our clients.

