



## INTRODUCTION

Consteel CMTS series magnesium-based tundish spray mix apply premium magnesia raw material and superior grain size distribution with some or most of the additive range from binder, water reducing agent, absorbents, reaction retarder and strength enhancer, etc. and features in following aspects:

- Strong adhesion and anti-cracking performance during temperature escalation process;
- Strong structural stability and anti-erosion, anti-corrosion performance;
- Easily dismantle due to outstanding de-skulling performance and continuous casting efficiency increase subsequently;
- High steel inclusions absorption ability and inert reaction with steel itself, which help purify the content of steel remarkably;
- Extreme low thermal conductivity lead to excellent thermal insulation performance.



## COMPOSITION&PROPERTY

Part number	Chemical Composition(wt%)						CCS(MPa)		MOR(MPa)		Bulk density (g/cm <sup>3</sup> )	Granularity (mm)	Typical water addition(wt%)	PLC(%)		Dosage ratio (MT/ CBM)
	MgO	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Cr <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	110C@24h	500C@3h	110C@24h	500C@3h				110C@24h	1500C@3h	
CMTS 85	85	2	6	-	1	-	7	30	10	40	2.2	0~3	17~19	-0.11	-2.4	2.1
CMTS 80	80	2	8	-	1	-	7	30	10	40	2	0~3	17~19	-0.13	-2.4	2
CMTS 70	70	2	4	7	1	1	6	25	8	35	1.9	0~2	18~20	-0.11	-2.5	2.1

Note:  
The above parameters are for customers' reference only, Consteel's engineers will formulate the content of CMTS tundish spray mass based on the specific metallurgical features, which guarantee the optimal process efficacy.

## HOW TO SELECT THE RIGHT ONE



This 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 optimal formulation and granularity to meet your steel mills requirement. This is so-called "tailored design", In order to enable our engineer to provide you with the state of art design to fuel your optimal steel-making, please fill out the questionnaire correspondingly.

