

LOW CEMENT CASTABLE (LCC) Typical Parameters

Description		MCC			
		LCC75	LCC80	LCC85	LCC95
Service Temperature (°C)		≪1650	≪1700	≪1750	≪1780
Bulk Density (kg/m ³) Dried@110°C		2550	2600	2700	3000
CCS (Mpa)	110°C	65	70	80	90
	1100°C	75	80	90	95
	1500°C	80	85	100	110
MOR (Mpa)	110°C	9	10	11	13
	1100°C	10	11	12	14
	1500°C	11	12	13	15
Max Grain Size (mm)		3~6	3~6	3~6	3~6
Chemical Analysis (%)					
Al ₂ O ₃		≫75	≫80	≫85	≫95
CaO		≪2~3	≪2~3	≪2~3	≪2~3
Fe ₂ O ₃		≪2.5	≪2.0	≪1.8	≪1.2
Installation Procedures					
Mixer		Paddle	Paddle	Paddle	Paddle
Placement		V/T	V/T	V/T	V/T
Water/Mixing Temp(°C)		20±5	20±5	20±5	20±5
Mixing Time(Min): Dry/Wet		2/5	2/5	2/5	2/5
Water (%)		7~9	7~9	6~8	6~7

Note: Above are average typical test data subject to reasonable variations.

1.R-Rodding 2.V-Vibration 3.T-Tamping