

## Ultra-Low Cement refractories Castables

## جرم های ریختنی فوق کم سیمان نسوز

Products	Chemical Analysis (%wt)				Main Component	Application Method	Refractoriness (° C)	Required Water (%)	Grain Size (mm)	Bulk Density At 110 ° C (gr/cm <sup>3</sup> )	C.C.S (Kg/cm <sup>2</sup> )	
	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO							110 °C	1100 °C
Sura Cast 60 ULC	60±2	33±2	1.5±0.5	1.5±0.5	Bauxite, Chamotte	Casting, Vibrating	1650	6 – 7.5	0 – 5	2.5±0.1	180 – 480	400 – 700
Sura Cast 65 ULC	65±2	29±2	1.5±0.5	1.5±0.5	Bauxite, Chamotte	Casting, Vibrating	1680	6 – 7.5	0 – 5	2.6±0.1	180 – 480	400 – 700
Sura Cast 70 ULC	70±2	24±2	1.5±0.5	1.5±0.5	Bauxite, Chamotte	Casting, Vibrating	1700	5.5 – 7	0 – 5	2.7±0.1	200 – 500	450 – 750
Sura Cast 75 ULC	75±2	19±1	1.5±0.5	1.5±0.5	Bauxite, Chamotte	Casting, Vibrating	1730	5.5 – 7	0 – 5	2.75±0.1	250 – 550	450 – 750
Sura Cast 80 ULC	80±2	14±1	1.5±0.5	1.5±0.5	Bauxite	Casting, Vibrating	>1730	5 – 6.5	0 – 5	2.8±0.1	250 – 550	500 – 800
Sura Cast 85 ULC	85±2	10±1	1.5±0.5	1.5±0.5	Tabular, Bauxite	Casting, Vibrating	>1730	5 – 6.5	0 – 5	2.85±0.1	300 – 600	500 – 800
Sura Cast 90 ULC	90±2	6.5±0.5	< 1.2	1±0.5	Tabular, Bauxite	Casting, Vibrating	>1800	4.5 – 6	0 – 5	2.9±0.1	350 – 650	600 – 900
Sura Cast 95 ULC	95±1	3.5±0.5	< 0.5	1±0.5	Tabular Alumina	Casting, Vibrating	>1800	4.5 – 6	0 – 5	3±0.1	400 – 750	600 – 900
Standards	ISO 21587-2						ISO 825 ,1146	ASTM C860		ASTM C20	ASTM C133	