



# IRAN REFRACTORIES COMPANY

## TECHNICAL DATA SHEET



### KORACAST SLC

<b>Max. Temperature Service:</b>	1880 °C
<b>Classification:</b>	High Alumina Spinel Castable (Self flow)
<b>Main Raw Material Component:</b>	Blended mixture of Tabular alumina - Spinel and low Iron calcium aluminate binder
<b>Type Of Bond:</b>	Hydraulic
<b>Grain Size:</b>	0 – 6 mm
<b>Water required For Pouring:</b>	5 – 7 %
<b>Dry Castable Required:</b>	2900 Kg/m <sup>3</sup>
<b>Features and Main Applications:</b>	High refractoriness, exceptional mechanical strength and abrasion resistance. Resistant to ferrous and non – ferrous metals and associated slags. High stability under reducing and other special atmospheres. Excellent thermal shock resistance. Recommended for Steel industries. EAF Monolithic roof. May be cast or rammed into place.

<b>Chemical Composition</b> (Calcined base)			
<b>Al<sub>2</sub>O<sub>3</sub> %</b>	<b>SiO<sub>2</sub> %</b>	<b>MgO%</b>	<b>CaO %</b>
90-91	< 0.5	5.0	1.6-1.8

<b>Thermomechanical Properties</b>			
		<i>After drying at 110 °C</i>	<i>After heating at 1500 °C</i>
<b>Bulk Density</b>	(Kg/m <sup>3</sup> )	> 2950	–
<b>Cold Crushing Strength</b>	( kg/cm <sup>2</sup> )	550-650	900-1000
<b>Linear Change</b>	( %)	–	+ 0.5

All data based on cast specimens . ASTM procedures , where applicable , used for determination of data .

For data of vibration cast or gunned , consult our sales & Engineering service's experts .

All data subject to reasonable deviations , and therefore , should not be used for specification purposes. ASTM Test Methods, where applicable, used for determination of data.

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