



IRECAST ESLI

Max. Temperature Service:	1450 °C
Classification:	Fireclay base castable with low iron hydraulic binder
Main Raw Material Component:	High quality Low Iron chamotte & calcium–aluminate binder
Type Of Bond:	Hydraulic
Grain Size:	0 – 5 mm
Water required For Pouring:	10 – 12 %
Dry Castable Required:	2040 Kg/m ³
Features and Main Applications:	Excellent strength throughout its entire temperature range, Iron content not over 3 % High resistance to Mechanical impact and abrasion. May be cast, gunned, troweled or rammed. Recommended for various purposes ;Steel & Cement Industries (particularly preheater) as well as Chemical & Nonferrous Industries (particularly Copper), Lime kilns. Excellent strength throughout its entire temperature range, Iron content not over 3 % High resistance to Mechanical impact and abrasion. May be cast, gunned, troweled or rammed.

Chemical Composition (Calcined base)				
Al₂O₃ %	SiO₂ %	Fe₂O₃ %	TiO₂ %	CaO %
46 – 50	31 – 34	2.0 – 3.0	4.0 – 5.0	9 – 11

Thermomechanical Properties			
		<i>After drying at 110 °C</i>	<i>After heating at 1370 °C</i>
Bulk Density	(Kg/m ³)	> 2150	–
Cold Crushing Strength	(kg/cm ²)	400-500	250-450
Modulus of Rupture	(kg/cm ²)	60-100	50-100
Linear Change	(%)	Negligible	+ 0.5 to + 2.5

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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