



IRECAST 23 ESLI

Max. Temperature Service:	1280 °C
Classification:	Light weight cast able
Main Raw Material Component:	Blended cast able employing Low Iron calcined clays , firm lightweight aggregates & calcium – aluminate binder
Type Of Bond:	Hydraulic
Grain Size	0 – 5 mm
Water required For Pouring	29 – 36 %
Dry Castable Required	1435 Kg/m ³
Features and Main Applications:	Low Thermal Conductivity, Intermediate Strength, Hydraulic Bonded, Stable withstand CO and alkali atmospheres .Wherever reduction resistance required; particularly in Iron ore pelletizing plants and Petrochemical Industries, Various industrial furnaces, boilers, incinerators, stacks and as backup for other refractories suitable for greater mechanical abuse and higher temperatures. Combines good strength with high insulating value

Chemical Composition (Calcined base)			
Al₂O₃ %	SiO₂ %	Fe₂O₃ %	CaO %
34– 40	36 – 40	< 2.0	9 – 13

Thermomechanical Properties			
		<i>After drying at 110 °C</i>	<i>After heating at 1200 °C</i>
Bulk Density	(Kg/m ³)	< 1500	–
Cold Crushing Strength	(kg/cm ²)	> 30	> 30
Linear Change	(%)	Negligible	– 2.5 to 0.0

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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