IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET

IREFCAST 19

Max. Temperature Service:	1100 °C
Classification:	Very Light weight cast able
Main Raw Material Component:	High quality chamotte & calcium – aluminate binder
Type Of Bond:	Hydraulic
Water required For Pouring:	40 – 53%
Dry Castable Required:	850 Kg/m^3
Features and Main Applications:	Low Thermal Conductivity. Excellent resistance to thermal shock, easily installed by casting or troweling & may be gunned. Recommended for Chemical & Petrochemical Industries, Various industrial furnaces , boilers, incinerators, stacks and as backup for other refractories.

Chemical Composition
(Calcined base)

Al_2O_3 %	SiO_2 %	Fe_2O_3 %	CaO %
35 – 40	40 – 45	5.0 – 8.0	8 – 12

Thermomechanical Properties

		After drying at 110 °C
Bulk Density	(Kg/m^3)	< 900
Cold Crushing Strength	(kg/cm^2)	> 10
Linear Change	(%)	Negligible

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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