



### ALPINAL 85 IFX

<b>Temperature Service:</b>	1800 °C
<b>Classification:</b>	Neutral Ramming Mass Based on Alumina – Spinel
<b>Main Raw Material Component:</b>	Blended mixture of carefully sized high alumina aggregate Spinel and binder
<b>Type Of Bond:</b>	Ceramic
<b>Grain Size:</b>	0 – 6 mm
<b>Dry Material Required:</b>	3000 Kg/m <sup>3</sup>
<b>Features and Main Applications:</b>	Fast sintering, excellent resistance to high temperature, abrasion and corrosion. Low shrinkage. Recommended for upper part working layer of Induction Furnaces.

#### **Chemical Composition** (Calcined base)

<b>Al<sub>2</sub>O<sub>3</sub> %</b>	<b>SiO<sub>2</sub> %</b>	<b>MgO %</b>
84 – 86	<1.5	11.5-12.5

#### **Thermomechanical Properties**

<i>After drying at 110 °C</i>		
<b>Bulk Density</b>	(Kg/m <sup>3</sup> )	> 2950

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.

Revision:1

Date of issue: 1397/09/05

Code: IRF-ST-Q-860-19

Revision:00