



**SIAM ENGINEERING CERAMICS CO., LTD.**

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**PLASTER-85**

SEC-Spec-Plaster-85 Rev.00

**TECHNICAL DATA SHEET**

**PLASTER-85** is ready mixed plaster in type of chemical-bonded, high refractory materials such as super dense bauxite and white fused alumina with special clay, where a high bonding strength suitable for use on hot and cold surface, particularly for induction furnaces and foundry ladles. High resistance to abrasion corrosion, attack by acid or basic slag, fumes and molten metal.

**PHYSICAL PROPERTIES :**

Maximum Service Temperature	°C	1800
Maximum Grain Size of Aggregates	mm	1.0
<b>Density</b>		
- After heating at 1400°C	kg/ m <sup>3</sup>	2.34
Refractoriness	PCE	38
Moisture Content	%	11-12

**CHEMICAL ANALYSIS :**

Alumina (Al <sub>2</sub> O <sub>3</sub> )	%	86.8
Silica (SiO <sub>2</sub> )	%	7.8
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	%	0.5

The above data are typical properties for the most commonly produced commercial sizes. All data subject to reasonable deviation only, and should not be used for specification purposes. ASTM test methods, and SEC's written procedure, where applicable used for determination of data.

**"Quality and Services are Our Mission"**