

## TECHNICAL DATA

### P-CAST-A85S

Low Cement Castable جرم آلومینایی ۸۵% آلومینا (اسپینلی)

Type of Material Dense Refractory Concrete

Raw Material Basis Bauxite, Alumina Spinel and special additives

#### Physical Properties

| Bonding System | Granulation | Maximum Temp. of Application | Bulk Density                  |
|----------------|-------------|------------------------------|-------------------------------|
| Hydraulic      | 0 - 8 mm    | 1700 'C                      | 2.65 – 2.8 gr/Cm <sup>3</sup> |

| Temperature | C.C.S.                       |
|-------------|------------------------------|
| 110 'C      | 400 - 600 Kg/Cm <sup>2</sup> |
| 800 'C      | 450 - 500 Kg/Cm <sup>2</sup> |
| 1100 'C     | 650 - 800 Kg/Cm <sup>2</sup> |

#### Chemical Analysis (%)

| Al <sub>2</sub> O <sub>3</sub> | MgO    | CaO     | Fe <sub>2</sub> O <sub>3</sub> | TiO <sub>2</sub> | SiO <sub>2</sub> | SiC  | Cr <sub>2</sub> O <sub>3</sub> | ZrO <sub>2</sub> | Alkalies | C    | L.O.I. |
|--------------------------------|--------|---------|--------------------------------|------------------|------------------|------|--------------------------------|------------------|----------|------|--------|
| 84 - 85                        | Appr.2 | 1 - 2.5 | 1 - 2                          | 1 - 3            | 7 - 11           | ---- | ----                           | ----             | ----     | ---- | ----   |

Condition as Delivered 25 Kg Bags, Dry for addition of water

Shelf Life 6 Months ( dry, cool, frost free place )

Installation Method Casting / Vibrating

All data listed are reference values subject to production related tolerances. Although reasonable care has been taken in the preparation of the information contained herein, it still remains the duty of the user to prove the suitability of this material for his applications.

