



*TECHNICAL DATA*

**PALBOND-77c**

|                                   |                                |
|-----------------------------------|--------------------------------|
| PRODUCT TYPE                      | bauxite mortar<br>Heat setting |
| Main component                    | bauxite                        |
| Type of bond                      | chemical - ceramic             |
| Maximum service temperature       | 1650 C°                        |
| Installation method               |                                |
| Storage                           | 6 month                        |
| Packing                           | 15 Kg in basket                |
| grain size                        | 0 - 0.2 mm                     |
| Water required for mixing on site | Ready to use                   |

| PRODUCT PROPERTIES | VALUES | UNITS |
|--------------------|--------|-------|
|--------------------|--------|-------|

**CHEMICAL ANALYSIS**  
( Calcined basis)

|                                | Min | Max | Units |
|--------------------------------|-----|-----|-------|
| Al <sub>2</sub> O <sub>3</sub> | 75  |     | %     |
| SiO <sub>2</sub>               | 11  |     | %     |
| Fe <sub>2</sub> O <sub>3</sub> | 2   |     | %     |
| CaO                            | 0.5 |     | %     |
| Cr <sub>2</sub> O <sub>3</sub> | 7   |     | %     |

**PHYSICAL PROPERTIES**

|              |     |      |                    |
|--------------|-----|------|--------------------|
| Bulk density | Min | **** | gr/cm <sup>3</sup> |
|--------------|-----|------|--------------------|

**Cold crushing strength)**

|                             |     |      |                    |
|-----------------------------|-----|------|--------------------|
| after 5 hr drying at 110 C° | Min | **** | Kg/cm <sup>2</sup> |
| after 5 hr firing at        | Min | **** | Kg/cm <sup>2</sup> |