# Spinel Alumina Castable 92% Al2O3 P-BLCAST-A92SP

Castables & Ramming Mixes

Material type: Pre-shaped refractory concrete (Low Cement Castable)
Raw material basis: Tabular alumina, spinel and special additives

| Al2O3 | Bulk density | Grain size | Cold crushing strength (… |
|---|---|---|---|
| 91 – 93 % | Approx. 2.8 g/cm³ | 0 – 8 mm | Min. 650 kg/cm² |

## Applications

- Working linings of steel ladles and steelmaking equipment
- Areas in contact with slag at high temperatures

## Chemical analysis

| Component | Value | Unit |
|---|---|---|
| $Al_2O_3$ | 91 – 93 | % |
| MgO | 5 – 6 | % |
| CaO | Max. 1.8 | % |
| $Fe_2O_3$ | Max. 0.2 | % |
| $TiO_2$ | Max. 0.05 | % |
| $SiO_2$ | Max. 0.3 | % |

## Physical properties

| Property | Value | Unit |
|---|---|---|
| Bonding system | Hydraulic | |
| Grain size | 0 – 8 | mm |
| Maximum service temperature | 1800 | °C |
| Bulk density | Approx. 2.8 | g/cm³ |
| Cold crushing strength (110 °C) | Min. 650 | kg/cm² |
| Cold crushing strength (1100 °C) | Min. 550 | kg/cm² |

## Packaging & storage

Packaging: 25 kg bags (dry mix, water is added on site)
Shelf life: 6 months (dry, cool, frost-free place)

## Notes

Installation: casting with vibration; water addition and drying according to the manufacturer's instructions.

The values in this datasheet are typical results of laboratory tests on production samples and do not constitute a guaranteed specification. Consult the Pas Espadana technical team for your specific application.

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