# Alumina Castable 40% Al2O3 P-CAST-A40

Castables & Ramming Mixes

Material type: Dense refractory concrete (Conventional Castable)
Raw material basis: Fireclay

| Al2O3 | Bulk density | Grain size | Cold crushing strength (... |
|---|---|---|---|
| **Min. 40 %** | **Approx. 2 g/cm³** | **0 – 5 mm** | **250 – 450 kg/cm²** |

## Applications

- Linings of furnaces and thermal equipment up to 1300 °C
- General refractory linings and repairs

## Chemical analysis

| Component | Value | Unit |
|---|---|---|
| **$Al_2O_3$** | Min. 40 | % |
| **CaO** | 8 – 10 | % |

## Physical properties

| Property | Value | Unit |
|---|---|---|
| **Bonding system** | Hydraulic | |
| **Grain size** | 0 – 5 | mm |
| **Maximum service temperature** | 1300 | °C |
| **Bulk density** | Approx. 2 | g/cm³ |
| **Cold crushing strength (110 °C)** | 250 – 450 | kg/cm² |

## Packaging & storage

Packaging: 40 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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