

Low Cement Alumina Castable 80% Al₂O₃ P-CAST-A80LZ

Castables & Ramming Mixes

Material type: Dense refractory concrete (Conventional Castable)

Raw material basis: Bauxite and special additives



Al₂O₃

78 – 80 %

Bulk density

2.4 – 2.5 g/cm³

Grain size

0 – 5 mm

Cold crushing strength (...)

400 – 500 kg/cm²

Applications

- Industrial furnaces, burners and stacks with medium to high service temperatures
- Refractory repairs and linings in the steel, cement and petrochemical industries

Chemical analysis

Component	Value	Unit
Al ₂ O ₃	78 – 80	%
MgO	Max. 0.5	%
CaO	1 – 2.5	%
Fe ₂ O ₃	Max. 1.5	%
TiO ₂	Max. 3	%
SiO ₂	10 – 12	%

Physical properties

Property	Value	Unit
Bonding system	Hydraulic	
Grain size	0 – 5	mm
Maximum service temperature	1700	°C
Bulk density	2.4 – 2.5	g/cm ³
Cold crushing strength (110 °C)	400 – 500	kg/cm ²
Cold crushing strength (1100 °C)	Max. 600	kg/cm ²

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.