

Alumina Castable 70% Al₂O₃ P-CAST-A70

Castables & Ramming Mixes

Material type: Dense refractory concrete (Conventional Castable)

Raw material basis: High alumina chamotte and bauxite



Al₂O₃

69 – 71 %

Bulk density

2.45 – 2.55 g/cm³

Grain size

0 – 8 mm

Cold crushing strength (...)

Min. 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	69 – 71	%
MgO	Max. 0.5	%
CaO	4 – 6	%
Fe ₂ O ₃	Max. 1.7	%
TiO ₂	Max. 2	%
SiO ₂	18 – 20	%

Physical properties

Property	Value	Unit
Bonding system	Hydraulic	
Grain size	0 – 8	mm
Maximum service temperature	1620	°C
Bulk density	2.45 – 2.55	g/cm ³
Cold crushing strength (110 °C)	Min. 500	kg/cm ²
Cold crushing strength (1100 °C)	Min. 150	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.