Andalusite Alumina Castable 85% Al2O3

Castables & Ramming Mixes

Material type: Dense refractory concrete (Low cement castable)

Raw material basis: Bauxite and andalusite

Al2O3	Bulk density	Grain size	Cold crushing strength (…
84 – 86 %	2.8 – 2.88 g/cm³	0 – 5 mm	Min. 600 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_2O_3	84 – 86	%
MgO	0.25 – 0.3	%
CaO	1 – 2.5	%
Fe_2O_3	0.75 – 1.5	%
TiO_2	1 – 2	%
SiO_2	9 – 11	%

Physical properties

Property	Value	Unit
Bonding system	Hydraulic	
Grain size	0 – 5	mm
Maximum service temperature	1650	°C
Bulk density	2.8 – 2.88	g/cm³
Cold crushing strength (110 °C)	Min. 600	kg/cm²
Cold crushing strength (1100 °C)	Min. 400	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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