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Technical Data Sheet

Product: Low Cement High Alumina Castable 60

Description

This low cement high alumina castable is a monolithic refractory material with low cement content. It features low porosity, high density, good high-temperature strength and volume stability. Suitable for general industrial furnace linings, flues and other medium temperature working areas.

Application

Industrial furnace lining, boiler flue, heating furnace and other medium-temperature parts.

Technical Properties

Item	Specification
Chemical Composition	
Al_2O_3	≥ 60 %
Fe_2O_3	≤ 2 %
CaO	≤ 2.5 %
Physical Properties	
Bulk Density (BD)	≥ 2.4 g/cm³
Cold Crushing Strength @110℃	≥ 60 MPa
Hot Crushing Strength @1300℃	≥60 MPa
Linear Change @1300℃	±0.3 %
Recommended Water Addition	≤ 6.5 %

Packing

25 kg per woven bag, consolidated into ton bag for sea shipment.

Storage

Store in dry and ventilated warehouse, keep away from moisture and rain.
Shelf life: 6 months under proper storage.

Construction & Curing Recommendation

1. Mix only with clean potable water, strictly follow the recommended water addition. Excess water will reduce strength and density.
2. Complete pouring within working time after mixing.
3. Natural curing for minimum 24h after casting. Implement gradual drying and heating schedule before putting into service to avoid explosive spalling.

Note

The chemical composition data are typical values and may vary slightly from batch to batch.
All physical test data are typical values. Actual performance is affected by construction, curing and heat treatment.

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