



Product data sheet

Refractory applications –Conventional Castables

Reference META07/06

METACRETE

Applications

- METACRETE is a conventional castable having hydraulic setting system with alumina content of approximately 30%, which is designed to be used at medium to high temperatures, in excess of 1200°C.
- It is used for general purpose casting of low temperature furnace.
- Ideal for hot chamber wall and repairing /patching of the same.

General characteristics

Chemical composition

Main constituents (%)

Al₂O₃- 30% min, Fe₂O₃- 3.5 % max. , CaO- 5 to 5.5%

Physical properties

Grain Size	Bulk Density	Cold Crushing Strength	Setting	Service Temperature	Water Requirement	PCE Value	PLC Briquette size 25 X 25 X100 10 %moisture dried at 110°C
0-5mm	1.8-2 gm/cc	At 110°C/24 hrs. 200kg/cm ² min.	Hydraulic setting	1200°C to 1250°C	10-12%	ORTON 30 min.	At 1300°C/2hrs± 1%

Packaging

METACRETE does not contain any additives. METACRETE packaging is designed to protect it from moisture. However, it is recommended that METACRETE not be placed in direct contact with the ground. When correctly stored, the shelf life of METACRETE is at least 6 months. In most cases, its properties are retained for over a year.

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