



Product data sheet

Refractory applications –Conventional Castables

Reference META07/06

METACAST-50

Applications

- METACAST-50 is a conventional castable having hydraulic setting /ceramic bonded with alumina content of approximately 50%, which is designed to be used for high temperatures, in excess of 1400°C.
- It is used for reheating furnace wall casting and other general purpose casting.

General characteristics

Chemical composition

Main constituents (%)

Al₂O₃- 50% min, Fe₂O₃- 1.5 % max. , CaO- 4 to 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	2.4-2.45 gm/cc	At 110°C/24 hrs. 250kg/cm ² min.	Hydraulic setting/ Ceramic bonding	1400°C to 1500°C	10-12%	ORTON 33 min.	At 1400°C/2hrs± 1%

Packaging

METACAST-50 does not contain any additives. METACAST-50 packaging is designed to protect it from moisture. However, it is recommended that METACAST-50 not be placed in direct contact with the ground. When correctly stored, the shelf life of METACAST-50 is at least 6 months. In most cases, its properties are retained for over a year.

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