



Product data sheet

Refractory applications –Conventional Castables

Reference META07/06

METACAST-90

Applications

- METACAST-90 is a conventional castable having a hydraulic setting/ceramic bonded with alumina content of approximately 90%, which is designed to be used at very high temperatures, in excess of 1600°C.
- It is used for patching/hot patching/general casting in steel ladle and furnace.

General characteristics

Chemical composition

Main constituents (%)

Al₂O₃- 90% min, Fe₂O₃- 0.5 % 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	2.8-2.85 gm/cc	At 110°C/24 hrs. 600kg/cm ² min.	Hydraulic setting/ Ceramic bonding	1600°C to 1750°C	10-12%	ORTON 37 min.	At 1550°C/2hrs± 1%

Packaging

METACAST-90 does not contain any additives. METACAST-90 packaging is designed to protect it from moisture. However, it is recommended that METACAST-90 not be placed in direct contact with the ground. When correctly stored, the shelf life of METACAST-90 is at least 6 months. In most cases, its properties are retained for over a year.

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