



Product data sheet

Refractory applications –Low Cement Castables

Reference META07/06

METACAST-LC 70

Applications

- METACAST LC70 is a hydraulic setting /ceramic bonded low cement castable (LCC) with alumina content of approximately 70%, which is used at high temperatures, in excess of 1600°C.
- It is used for patching in ladle lining, casting of launder and tundish lining.

General characteristics

Chemical composition

Main constituents (%)

Al₂O₃- 70% min, Fe₂O₃- 0.6% max. , CaO-1.5% max.

Physical properties

Grain Size	Bulk Density	HMR(Hot Modulus of Rupture)	Cold Crushing Strength Kg/cm ²	Setting	Service Temperature	Water Addition	PCE Value	PLC Briquette size 25 X 25 X100 8% moisture dried at 110°C
0-5mm	2.8gm/cc	At 1400°C 60Kg/cm ² min.	At 110°C/24hrs-700min 900°C/24hrs-800min 1300°C/24hrs-1000min	Hydraulic setting/ Ceramic Bonding	1600° C- 1750°C	4 -6%	ORTON 34 min.	At 1450°C/2hrs± 0.5%

Packaging

METACAST LC70 does not contain any additives. METACAST LC70 packaging is designed to protect it from moisture. However, it is recommended that METACAST LC70 not be placed in direct contact with the ground. When correctly stored, the shelf life of METACAST LC70 is at least 6 months. In most cases, its properties are retained for over a year.

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