



Product data sheet

Refractory applications –Low Cement Castables

Reference META07/06

METACAST-LC 60

Applications

- METACAST LC60 is a hydraulic setting /ceramic bonded low cement castable(LCC) with alumina content of approximately 60%, which is used at medium to high temperatures, in excess of 1500°C.
- It is used for patching in ladle lining, preheating furnace roof and wall casting.

General characteristics

Chemical composition

Main constituents (%)

Al₂O₃- 60% min, Fe₂O₃- 1% 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 | 2.7gm/cc | At 1400°C 30Kg/cm ² min. | At 110°C/24hrs- 600min 900°C/24hr s-800min 1300°C/24h rs-1000min | Hydraulic setting/ Ceramic Bonding | 1500° C- 1550°C | 4 -6% | ORTON 33 min. | At 1400°C/2hrs± 0.5% |

Packaging

METACAST LC60 does not contain any additives. METACAST LC60 packaging is designed to protect it from moisture. However, it is recommended that METACAST LC60 not be placed in direct contact with the ground. When correctly stored, the shelf life of METACAST LC60 is at least 6 months. In most cases, its properties are retained for over a year.

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