METACAST-60

Applications

- METACAST-60 is a conventional castable having a hydraulic setting/ceramic bonded with alumina content of approximately 60%, which is designed to be used at high temperatures, in excess of 1400°C.
- It is used for roof and wall casting of reheating furnace.

General characteristics

Chemical composition

Main constituents (%)
Al₂O₃- 60% min, Fe₂O₃- 1% max., CaO- 4 to 5%

Physical properties

<table>
<thead>
<tr>
<th>Grain Size</th>
<th>Bulk Density</th>
<th>Cold Crushing Strength</th>
<th>Setting</th>
<th>Service Temperature</th>
<th>Water Requirement</th>
<th>PCE Value</th>
<th>PLC Briquette size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-5mm</td>
<td>2.45-2.5 gm/cc</td>
<td>At 110°C/24 hrs. 400kg/cm² min.</td>
<td>Hydraulic setting/Ceramic bonding</td>
<td>1400°C to 1550°C</td>
<td>10-12%</td>
<td>ORTON 34 min.</td>
<td>At 1400°C/2hrs±1%</td>
</tr>
</tbody>
</table>

Packaging

METACAST-60 does not contain any additives. METACAST-60 packaging is designed to protect it from moisture. However, it is recommended that METACAST-60 not be placed in direct contact with the ground. When correctly stored, the shelf life of METACAST-60 is at least 6 months. In most cases, its properties are retained for over a year.

Metaflux warrants that the products comply with the specifications stated herein to the exclusion of any other warranty, express or implied. Metaflux makes no representation or warranty of any kind, either express or implied, as to the merchantability or fitness for a particular purpose or use of the products. The warranty shall be limited to the replacement of the non-conforming products or, at Metaflux option, the refund of the purchase price. Any technical advice, recommendations or information are given based on Metaflux current knowledge and experience of the products and are deemed to be accurate. However, Metaflux undertakes no liability or responsibility of any kind in respect thereof. Users are invited to check that they have the latest version of this document.

METAFLUX COMPANY PRIVATE LIMITED
162, VIP Road, Kolkata-700054
Tel. No. +91-33-2355-5799/0544/6252, Fax No. +91-33-2355-7636
e-mail id: metaflux@vsnl.com , website: www.metafluxco.com