INSETAB - G

This revision supersedes and substitutes all previous ones

Revision No. 4

Technical Data Sheet

Characteristics

Conventional refractory castable based on tabular alumina with a very low iron oxide content. Its grain size is slightly coarser than that of INSETAB – N.

Application

Lining of channel furnaces. Pouring units. Inductory coils for reheating and heat treatment. Reactors in petrochemical and chemical industries. Carbon black installations. Heavily reducing atmosphere furnaces. Also, in other industries such as cement, ceramic, power generation, petrochemical, etc.

Maximum Service Temperature

1,800 ºC

Grain Size Distribution

0 – 6 mm

Type of Bonding

Hydraulic.

Typical Chemical Analysis *

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al₂O₃</td>
<td>96.5 %</td>
</tr>
<tr>
<td>SiO₂</td>
<td>0.10 %</td>
</tr>
<tr>
<td>Fe₂O₃</td>
<td>0.10 %</td>
</tr>
</tbody>
</table>

* On Calcined Sample

Water Required for Casting & Vibrating

7 – 10 % (depending on mixing conditions: outside temperature, mixer type, etc).

Material Required (density)

2,900 Kg/m³

Installation

Cast-vibration with needle vibrators. Do not prepare more material than the quantity to be installed within 20 minutes.

Storage

In a dry place, 12 months maximum.

Packing

In 25 kg. paper sacks, over shrunk - wrapped pallet.

Drying and Heating

Follow specific drying and sintering instructions recommended for each particular case. As a general rule: Hold for 24 hours before removing mould. Dry at 100-150 ºC for 12 – 36 hours. Heat up to working temperature at 50ºC/h.

This datasheet contains average values taken from manufacturing control tests made in laboratory following specific rules for each text. They do not settle neither specifications nor guarantees on products’ characteristics. This product provides a limited responsibility; ask for details.