

Excel & Himelt

-good thermal conductivity & excellent thermal shock resistance

Introduction

Excel and Himelt crucibles are high quality carbon-bonded silicon carbide crucibles manufactured using the latest roller-forming techniques and are designed to cater for a range of non-ferrous melting applications. Additionally, Himelt crucibles provide enhanced performance in applications, where more arduous service conditions exist.

Applications

Excel and Himelt are high quality crucibles, developed for applications in oil, gas and coal fired melting of aluminium, copper, zinc oxide and their alloys.



Typical Metal Casting Temperature

Excel: 850°C - 1250°C (1562°F - 2280°F)

Himelt: 1000°C - 1400°C (1830°F - 2550°F)

Performance Characteristics

- Good thermal conductivity
- Good erosion resistance
- Good resistance to corrosive attack by chemical treating agents
- Excellent thermal shock resistance
- High oxidation resistance

Identification

Excel crucibles are finished in a dark red colour and Himelt crucibles are finished in bright red colour.

Pattern Range

Excel and Himelt crucibles are available in a comprehensive range of shapes and sizes to suit most end user requirements. Custom sizes can be supplied by special request. Heavy wall (HW) versions can be supplied for increased life in arduous applications and a selection of fixed pouring spouts with optimised profiles is offered where required for tilting furnaces.

Quality

Excel & Himelt crucibles are manufactured from premium grade raw materials under ISO 9001:2008 quality management system.

For more information, contact us today.

Temperature Overview

-Excel & Himelt

Metal Casting Temperature

