

# Iso-Alustar e<sup>2</sup>

## -the energy saving crucible

### Introduction

Iso-Alustar e<sup>2</sup> is a premium quality, hybrid ceramic bonded clay graphite crucible with a high silicon carbide and graphite content that is manufactured through an advanced iso-static pressing process.

This allows the crucible to obtain superior thermal conductivity over its entire operating temperature range, high mechanical strength and erosion resistance along with good shock resistance. These properties translate into a durable and robust crucible with excellent performance characteristics in lower temperature environments.

Iso-Alustar e<sup>2</sup> features proprietary internal and external glazes to prevent low temperature oxidation and degradation that occur in aluminium and other low temperature alloys over extended periods of time.

### Applications

Iso-Alustar e<sup>2</sup> is designed to perform exceptionally well to melt and hold aluminium and other low temperature alloys in gas and electric resistance furnaces.

### Typical Metal Casting Temperature

400°C - 1100°C (752°F - 2012°F)

### Performance Characteristics

- Extremely high oxidation resistance
- Very good thermal conductivity
- Very good resistance to chemical attack
- High mechanical strength and good erosion resistance
- Good thermal shock resistance

### Identification

Iso-Alustar e<sup>2</sup> crucibles are finished with a green Low Temperature Protection (LTP) coating .

### Pattern Range

Iso-Alustar e<sup>2</sup> crucibles are available in a range of shapes and sizes to suit most end user requirements. Sizes can be made available with pyrometer pocket to facilitate measurement of metal temperature. A wide range of pouring lips and spouts is available.

### Quality

Iso-Alustar e<sup>2</sup> crucibles are manufactured from premium grade raw materials under an ISO 9001:2008 quality management system.

For more information, contact us today.

