



CRUCIBLES

For non-ferrous foundry applications

VESUVIUS





High performance

rotational moulded and isostatically pressed crucibles

As a reliable and trusted supplier of crucibles, retorts and associated products, Foseco can help you to optimise your melting and processing operations, reduce energy consumption and maximise crucible life.

The right crucible for every application

Foseco offers the foundryman a complete range of silicon carbide and clay graphite crucibles, retorts and other specialised shapes for use in fuel fired, induction and electric resistance furnaces.

Foseco crucibles offer the following benefits:

- + Energy efficient
Foseco crucibles are thermally efficient and require less energy to melt and hold the liquid metal.
- + Long life
With careful handling and maintenance, excellent crucible life can be achieved.
- + Fast melting
High thermal conductivity ensures that charge materials are melted quickly and effectively saving time and money.
- + Tailor made
A wide range of standard shapes and sizes are produced. Customised shapes and sizes are available on request.
- + High capacity
Foseco offers large crucible sizes. Aluminium crucibles of more than 2 tonnes are available.

The Foseco crucible qualities

+ ENERTEK*

A family of energy efficient crucibles that have been formulated and manufactured to offer the most thermally efficient crucible for melting and holding.

+ ENERTEK ISO

These crucibles combine optimum physical properties, strength and toughness with vastly superior insulation provided by a durable proprietary VESUVIUS refractory lining.

+ DURATEK*

A family of crucibles with improved properties designed for specific applications to achieve an extended service life.

The latest DURATEK Supermelt crucible technology offers aluminium foundries operating gas-fired furnaces the potential for reduced furnace downtime and reliable, consistent performance throughout the life of the crucible

+ DIAMANT* SPECIAL

Premium quality, isostatically pressed crucibles for low temperature applications with good thermal conductivity and chemical attack resistance. Ideally suited for the melting and holding of aluminium as well as other low temperature applications.

+ DIAMANT UNIVERSAL

Premium quality, isostatically pressed crucibles with good thermal conductivity. Suitable for a wide range of high temperature applications including copper alloys and zinc distillation.

+ DIAMANT TOP

Isostatically pressed crucibles with very high electric resistivity. Specially designed for use in high frequency and/or high power induction furnaces.

+ KING-CARB*

Isostatically pressed, carbon bonded crucibles suitable for a broad range of low and high temperature applications.

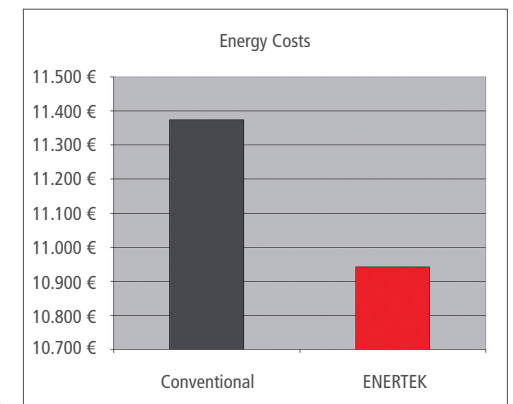
+ TERCOD*

Rotational moulded, carbon bonded crucibles with high thermal and mechanical shock resistance.

For detailed application information please refer to the individual product datasheets.



Crucibles are used for melting and holding



Comparison of energy costs conventional crucible vs. ENERTEK crucible



Tailor made crucibles are available

Quality, consistency and flexibility

Research and development

As the quality demands from end-users of castings increases, it is essential that foundry technology keeps pace. Foseco continually invest resources in the research and development of innovative solutions to the problems of today and tomorrow. Development laboratories work closely with in-house casting facilities to ensure new product developments fully meet the customer's needs.

Consistency

Controlled and automated manufacturing processes ensure that products are supplied to a highly consistent specification, minimising batch to batch product variations.

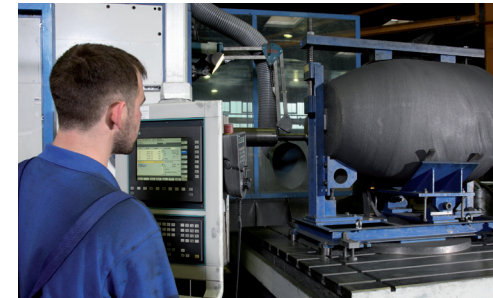
Quality assurance

Accredited quality assurance systems ensure optimal testing of finished products, and provides a framework for continual improvement and further process optimisation.

Development and process control to meet the highest foundry requirements



The crucibles are manufactured using highly sophisticated production lines to ensure consistent performance



Training and service



FOSECO. THINK BEYOND. SHAPE THE FUTURE.

*FOSECO, the Logo, ENERTEK, DURATEK, DIAMANT, KING-CARB and TERCOD are trade marks of the Vesuvius Group, registered in certain countries, used under licence. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system of any nature or transmitted in any form or by any means, including photocopying and recording, without the written permission of the copyright holder or as expressly permitted by law. Applications for permission shall be made to the publisher at the address mentioned.
Warning: The doing of an unauthorised act in relation to a copyright work may result in both a civil claim for damages and criminal prosecution. All statement, information and data contained herein are published as a guide and although believed to be accurate and reliable (having regard to the manufacturer's practical experience) neither the manufacturer, licensor, seller nor publisher represents nor warrants, expressly or impliedly: (1) their accuracy/reliability, (2) that the use of the product(s) will not infringe third party rights, (3) that no further safety measures are required to meet local legislation. The seller is not authorised to make representations nor contract on behalf of the manufacturer/licensor. All sales by the manufacturer/seller are based on their respective conditions of sale available on request.
© Foseco International Limited 05/23.

Foseco International Limited
Drayton Manor Business Park,
Tamworth, Staffordshire,
England B78 3TL
Phone: +44 (0)1827 262021
Fax: +44 (0)1827 283725
www.foseco.com
Please contact your local Foseco team