



## LINING SYSTEMS FOR INVESTMENT CASTING



### HIGH PERFORMANCE LINING TECHNOLOGY

- + Excellent refractoriness
- + Consistent performance
- + Clean furnace systems
- + Quick installation
- + High purity products

# Lining Systems for Investment Casters

For Coreless Induction Furnaces and Ladles

In many investment casting foundries, the melting process is by coreless induction furnace. From that melting unit, the metal is transferred by a ladle in to the pouring cup of the investment casting mould. These systems require specialised refractory solutions to optimise lining life and metal cleanliness.

The products listed on the right represent the best-in-class products for typical investment foundry applications. Foseco offers a portfolio of monolithic castables, mouldables and other refractory solutions to meet your specific needs. Please contact your local Foseco team for more information.

## Foseco recommends the following products:

- + KELLUNDITE\* 857 high purity alumina spinel forming, dry-vibration refractory materials are designed for lining coreless induction furnaces, melting steel and high temperature alloys. It is based on sintered alumina with a high grade of magnesia. The maximum service temperature is 1800°C.
- + BLU-RAM\* HSW is a high quality mouldable phosphate bonded material, used for Coreless Induction Furnace spouts and the top area.
- + X9 PLASTER high alumina based plaster has a very fine grain size and is ideal for cracks and patch repairs of the lining.
- + SUREBOND\* COILCOTE high alumina grout provides a strong protective semi-permanent refractory screed to the power coil.
- + DURACRETE\* 85 RM a phosphate bonded granular ramming product for transfer and pouring ladles. The installation is required by pneumatic rammer with serrated head. DURACRETE 85 RM has a maximum service temperature of 1700° C .



Section through an induction furnace



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COMMITTED TO FOUNDRIES

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