

## Case Study #4

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Forace Polymers™

**The following series of slides document the results of using Redux EF40L fluxes at 15 International Foundries to eliminate slag buildup on refractory walls of coreless induction furnaces, extend refractory life and clean ladles. Additional details on increases in refractory life are presently not available because of the COVID-19 pandemic.**

By  
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**Case Study 4- REDUX EF40L**  
**Objective: Clean slag build-up from**  
**Coreless Induction furnace walls**



**REDUX EF40L at International Foundry “D”  
Producing Grey and Ductile Iron Castings**



# Redux EF40 Test Conditions at Foundry D

Metal Grade –FG 300 (Gray Iron)

Furnace Capacity – 4 MT

Furnace No. – B

Heat No. – 06



## Furnace Condition Before Redux Trial



## Trial results using Redux EF 40L



### Furnace Condition After Addition of Redux

- **Redux addition rate was 0.05% of the metal weight (2 kg of Redux added to 4 Metric Tons of Gray Iron)**
- **After just one Redux addition, furnace was clean and free of slag build-up**

