

FERROGEN 53 - Treatment and Transfer Ladles

FERROGEN modifies the melting point and viscosity of slag material in relation to the liquid iron promoting quick and clean separation of non-metallic inclusions inherent in the melt.

Higher slag levels in the ladle increase the risk of slag related defects and premature blocking of filtered running and gating systems.

Excessive slag build up on the ladle walls increases downtime due to maintenance, and aggressive slag removal procedures can damage the lining and reduce working life.

As slag levels in the ladle increase over time, magnesium yield reduces. Magnesium treatment becomes more expensive and metallurgical control deteriorates.

- Fluidises oxides and reduces adhesion to ladle walls
- Coalesces non-metallic particles suspended in the melt
- Has no impact on Mg content or SG iron microstructure
- Is suitable for sandwich, tundish cover, cored wire and GF convertor processes

Benefits:

Easy dross removal

Cleaner linings and spouts

Improved refractory life

Reduced risk of slag related defects

Improved metallurgical consistency

Reduced risk of filter blockage

Facilitates use of finer porosity filters