



TOP REASONS TO CONSIDER **IRON DEOXIDATION**

- ✓ Improves all iron melting – both cast iron and ductile iron
- ✓ Provides great cost reductions
- ✓ Eliminates all oxidation losses during melting
- ✓ Stops downstream slag formation
- ✓ Reduces casting scrap
- ✓ Eliminates pig iron – no need for added graphitization
- ✓ No pig needed for cast iron or ductile iron
- ✓ Allows less pure metallic scrap
- ✓ Elevated residual alloy levels easily tolerated
- ✓ No carbide formation with deoxidized iron
- ✓ Eliminates expensive alloying – no FeMo, nickel or copper
- ✓ Copper no longer needed for pearlitic ductile iron
- ✓ Eliminating oxidation stabilizes iron chemistry
- ✓ Maximized graphitization reduces shrinkage, improving yield
- ✓ Iron oxide-free slag stops refractory erosion
- ✓ Iron chemistry stabilized – no loss over hold periods
- ✓ No slag buildup in electric furnaces or pouring ladles
- ✓ Electric furnace top cap and furnace tip life greatly extended
- ✓ Electric furnace walls remain clean, no build up
- ✓ Stops inductor loop plugging
- ✓ **Magnesium alloy for ductile iron reduced 30% minimum!**
- ✓ Savings are instant – same day!



MASTERMELT DeOX D-1

Deoxidizes entire melt cupola!

Easy to use –

Add 0.3% DeOX D-1 to electric furnace; add 0.1% DeOX D-1 to melted iron.

100% scientifically based.
Successful deoxidation is guaranteed.

To learn more about our
no cost trial, go to:

mastermelt.com/deox

Or, contact Ron Beyerstedt
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