



for  
**Casting  
Defects**

**MI Reducer** is a specialty compound to remove  $O_2$  and oxides in liquid steel melts. It is formulated using Nano carbon and Nano silicon particles along with a few rare earth elements.

- **MI REDOXY:** A powerful de-oxidizer for steel melts (all grades and types)

**ADVANTAGES:**

- ✓ Powerful deoxidizer
- ✓ Replaces costly Aluminum / Calcium Silicide (CaSi) / Ferro Silicon (FeSi)
- ✓ Eliminates liquid slag in the melts
- ✓ Improves surface finish of the casting/ ingots
- ✓ Improves fluidity
- ✓ Improves mechanical properties

- **SPECIFICATION:**

Carbon: 25-30%      Silicon:60-65%      Size: 1.7mm below

- **METHOD OF USE:**

1. Follow same de-oxidation practice being followed in the existing practice using Al / FeSi / CaSi, - EXCEPT replace it with MI REDOXY
2. Addition will be equivalent quantity as of Al / FeSi / CaSi

- **EFFECTIVENESS:**

- |      |                                    |                     |
|------|------------------------------------|---------------------|
| i.   | 1 kg FeSi (7075 grade) will remove | : 0.8227kg of $O_2$ |
| ii.  | 1 kg of Al will remove             | : 0.890 kg of $O_2$ |
| iii. | 1 kg of CaSi will remove           | : 0.917 kg of $O_2$ |
| iv.  | 1 kg of MI REDOXY will remove      | : 1.344 kg of $O_2$ |



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