

# Magnesium Remover Powder in Aluminium Alloys Making Case Study



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## CASE STUDY

### Customer Name

Sunalco Alloys Pvt Ltd, Wada

### Casting Details

- Alloy: AC4B
- Furnace: Oil Fired

### Problem

Increased Consumption of Magnesium Remover Powder

### Objectives

- To minimise consumption of Magnesium Remover Powder
- To increase productivity

### Ceraflux Solution

- Use Ceraflux Mag Remover Powder
- Ensure proper melting and sufficient temperature (above 720 Degree Celsius)
- Ensure proper rabbling and degassing after addition of Mag remover powder

### Work procedure for 100 Kg molten metal

- Total melt was 9.5 MT, Ensured proper melting and melt temperature
- Drossing done with Ceraflux 11 powder flux
- Initial Mg was 0.639%, Added 200 kg Ceraflux Mag Remover Powder
- Ensured proper rabbling and degassing during treatment
- After Mg treatment, Mg was 0.420%

### Results

It is noted that, to remove 1 Kg Mg from Melt, Only 9.6 Kg Ceraflux Mag Remover Powder required whereas, earlier 15 Kg powder of other make use to required.

For more case studies and casting defect solutions please reach us on [info@ceraflux.com](mailto:info@ceraflux.com) & [techservice@thermochem.in](mailto:techservice@thermochem.in)

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