

# ECO - BORON 8%

## General Description :

ECO - BORON waffles is an excellent additive for Aluminium conductor grade rods and wires for improving conductivity and grain refinement. The boron addition helps in precipitating detrimental elements like V, Ti, etc. in turn affect the conductivity. Further, the addition also help in improving the grain size, without the use of Titanium.

ECO - BORON contains usually 8% Boron which improves the metallurgical properties of the cast along with the enhancement in conductivity.

## Advantages :

- Improvement in mechanical and metallurgical properties
- Enhanced conductivity
- Easy to use with no pollution problems
- No storage and handling problems
- No impurity added into the melt

## Instructions for use:

1. Preapre the required alloy composition and follow the normal fluxing and cleaning procedure as recommended.
2. Degas the melt with tablet degasser or by mobile degassing unit and dross off by using small quantity of cover flux.
3. After the degassing operation, add ECO - BORON at an application rate of 0.25 to 0.40 by weight at temperatures between 700-750 Deg C.(Does not use Titanium based grain refiner)
4. Rabble the melt to ensure homogeneity, wait for 5 to 10min, then use.

## Specifications:

### ECO - BORON MASTER ALLOYS

ELEMENT	B	SI	FE	V	AL
STANDARD CONTENT	7.8-8.2%	0.2 MAX	0.2 MAX	0.05 MAX	BALANCE

ECO - BORON : 5-7 KG Waffles.

Packing : HDPE Bags / Corrugated Boxes / Pallets