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## **ECO - ALTI 10% MASTER ALLOY**

(5%, 10%)

### **PRODUCT DATA SHEET**

#### **General Description:**

ECO - ALUMINIUM TITANIUM (tablet) is an excellent refining agent for aluminium and its alloys. It is used to refine the grains of silicon in the alloy, improve the mechanical capacity of the alloy and provide stability in re-melting.

Titanium additions often continue to be favored in case where the exclusion of hard intermetallic particles is considered to be paramount such as foil stock, lithographic sheet and automobile trim.

#### **Advantages :**

- Improvement in mechanical and metallurgical properties
- Anti-decay properties
- Stability in remelting
- Easy to use with no pollution problems
- No storage and handling problems
- Excellent tensile & ductile strength due to uniform distribution of silicon grains
- No impurity added into the melt

#### **Instructions for use :**

1. Prepare the required alloy composition. Follow the normal fluxing and cleaning procedure as recommended.
2. Degas the melt with tablet degaser or by mobile degassing unit and dross off by using small quantity of coverflux.
3. Add ECO - ALTI an application rate of 0.20 – 0.40 at a temperature between 720 to 750 deg C.
4. Rabble the melt to ensure homogeneity, wait for 5 to 10 min. then use.

**Specifications:**

**SCOT-MASTERALLOY-TITANIUM**

ELEMENT	Ti	SI	FE	V	AL
STANDARD CONTENT	10.8-11.2	0.3 MAX	0.3 MAX	0.2 MAX	BALANCE

Density : 2.5 grms / cc.  
ECO - ALTi Tablet : 200-400 GRMS  
Packing : Jute Bags / HDPE Bags / Corrugated Boxes