



## TECHNICAL DATA SHEET

# ALTiB

## Aluminium Titanium 5% Boron 1% in cutted rod or coil form



### DESCRIPTION

Aluminium Titanium 5% Boron 1% is a solid metal rod available in cutted rod or in coils and used in aluminium cast-houses foundries or billets casting plants to aid nucleation and grain refining in aluminium alloys structure.

The alloy must be added in the liquid metal at temperature of 680 - 780°C.

The degassing treatment of the alloy will help the distribution of Titanium and Boron which will act as crystallisation nuclei and provide homogeneous metal microstructure.

### PRODUCT PHYSICAL DATA:

<b>Appearance:</b>	Stick	<b>Stick weight:</b>	100 gr
<b>Diameter:</b>	9,5 mm	<b>Coil weight:</b>	180 kg

### METHOD OF USE

Add the alloy only before degassing treatment and when metal temperature is 680-780°C.

Consider the initial value of grain refiner present in the ingot: primary alloys already contain TiB while secondary ingot should be treated with Ti + B.

The dosage needed will also depend on type of casting technique, casting sections and cooling behaviour.

### QUANTITY OF USE

For extrusion or wrought alloy consult our technical dept.

For sand, gravity and low-pressure casting alloys follow the table recommendation below.

Alloy	Kg for 1000 kg alloy
Al Si 5 Cu 3	3 - 5 kg
Al Si 7 Mg	2 - 4 kg
Al Si 12	1 kg
Al Mg 5	3 - 5 kg
Al Cu 4	3 - 5 kg

### IMPORTANT NOTICE

Before addition, make sure that metal is dry and free from any moisture.

### PACKAGING AND STORAGE

15 kg cardboard boxes.

Coils are kg 180 each on pallets.