



**CERAFLUX**

An ISO 9001 Certified Company

**"The Only Indian Company Manufacturing  
Wide Range of Metallurgical Products "**

## **CERAFLUX- 40**

**(Sodium, lithium, and calcium removal flux for aluminium and aluminium alloys)**

### **INTRODUCTION:**

CERAFLUX-40 is a powder flux suitable for all types of aluminium alloys. It is a composite of magnesium and potassium salts. It reacts quickly to efficiently remove Na, Li, and Ca from molten Al and Al-Mg alloys.

### **ADVANTAGES -**

- Sodium and fluoride-free
- CERAFLUX-40 has a low melting point for rapid dissolution.

### **APPLICATION**

#### **1. To remove sodium from the refractory linings of holding furnaces.**

Thoroughly remove any dross from the furnace lining. Sprinkle CERAFLUX-40 evenly over the refractory to be treated prior to introducing aluminium. Apply 2- 3kg of flux per square meter of refractory. Add the metal to the furnace and repeat this procedure for the next 5 to 6 casts.

#### **2. To remove sodium from molten aluminium in the holding furnace.**

In addition to the treatment of the furnace lining, inject between 1 to 5 kg of CERAFLUX-40 for each metric tonne of aluminium. When there is no risk of sodium contamination in the holding furnace, CERAFLUX-40 can be used to treat molten aluminium in the transfer ladle bringing metal from the melting furnace. Add CERAFLUX-40 to the empty ladle at a rate of 1-5 kg per tonne of aluminium. Fill the ladle with aluminium and add sufficient CERAFLUX-40 to the metal surface to provide a continuous protective layer. Inject nitrogen or argon for approximately 10 minutes to thoroughly stir and clean the metal. Skim the ladle with a suitable skimming tool before transferring the metal into the holding furnace.

**APPLICATION TEMPERATURE:** 650 °C and higher.

**ADDITION RATE:-**Exact requirements will depend on the initial and targeted levels of Na, Li, and Ca.

**STANDARD PACKING:** 25 kg plastic bag or 5 kg plastic bags in a 50 kg HDPE bag.

**SHELF LIFE:-** 12 months from date of manufacturing in closed intact packing kept in cool and dry place

**PRECAUTION:** Flux is highly hygroscopic in nature to be stored in a dry place. Close opened

NOTE:- Above information is true and accurate based on controlled laboratory testing. However user is responsible for determining suitability for application at their end. No guarantee is implied since the condition in actual use differs widely & beyond our control.

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