



**!!! WARNING !!!**



**WELDING FUMES AND GASES CAN BE DANGEROUS TO YOUR HEALTH.**

**BEFORE USING THIS PRODUCT THE WELDER (END-USER) MUST READ AND UNDERSTAND THE COMPLETE PRODUCT WARNING LABEL AND MATERIAL SAFETY DATA SHEET (MSDS).**

**THE MATERIAL SAFETY DATA SHEET (MSDS) WHICH OUTLINES THE POTENTIAL HEALTH HAZARDS AND SAFETY INFORMATION RELATED TO THIS PRODUCT CAN BE DOWNLOADED FROM THE MSDS PORTION OF THIS WEBSITE. IT IS ALSO AVAILABLE FROM YOUR EMPLOYER AND WELDING SUPPLY DISTRIBUTOR.**

**DO NOT PROCEED WITH USE OF THIS PRODUCT UNTIL YOU READ AND UNDERSTAND THE MATERIAL SAFETY DATA SHEET (MSDS) AND PRODUCT WARNING STATEMENT.**

**BE SURE TO CONSULT THE LATEST VERSION OF THE MSDS.**

**SEE THE PRODUCT WARNING LABEL AND MSDS FOR COMPLETE WARNING INFORMATION.**

# **CROWN ALLOYS** **COMPANY**

30105 STEPHENSON HWY.  
MADISON HEIGHTS, MI. 48071  
(248) 588-3790 • (800) 521-7878

## **Royal 133 AL-Solder** **Superior Low Melting Aluminum Solder**

### **Typical Applications:**

**Royal 133 AL** is a special Tin-Zinc solder to join Aluminum to all other metals (Copper, Steel, Brass, Galvanized, Stainless Steel and Nickel Alloy). **Royal 133 AL** will produce a strong and tight joint; it also can be used for repair on zinc die cast metals.

### **Specifications:**

➤ Melting Point	585°F-600°F
➤ Liquidus	650°F
➤ Solidus	390°F
➤ Pasty Range	400°F-640°F
➤ Tin	60%
➤ Zinc	40%

### **Procedure:**

Clean surface thoroughly. Apply **Crown 133 Flux** and heat indirectly; when flux boils and turns clear, apply rod concentrating heat on area to be soldered on - melt rod as quickly as possible.

### **Sizes:**

Royal 133 Al-Solder	1/8 x 12"
Crown 133 Flux	8 oz. jar