

# **ProCus 51**

**A FLUX CORED SOFT SOLDER ALLOY  
THAT EXHIBITS EXCEPTIONAL  
FLUIDITY AND IS IDEAL FOR THOSE  
DIFFICULT SOLDERING APPLICATIONS**

**PROCUS 51 IS A SOFT SOLDER ALLOY THAT IS  
FORMULATED FOR EASY USE IN THOSE DIFFICULT  
MAINTENANCE APPLICATIONS.**

## **SPECIAL FEATURES:**

### **ProCus 51**

- ❑ QUICK WETTING ACTION ON STEEL,  
STAINLESS STEEL, BRASS, COPPER ETC**
- ❑ MADE FROM VIRGIN MATERIALS WHICH  
ENABLES GREATER FLUIDITY**
- ❑ HIGHLY ACTIVE FLUX ENHANCES BONDING  
CHARACTERISTICS**
- ❑ SUPERIOR BONDING ON DIRTY MATERIALS**

**PROCUS 51 IS AN ALLOY FORMULATED FOR  
THE SOFT SOLDER REPAIRS OF THE DIRTY  
METALS THAT ARE OFTEN ENCOUNTERED IN  
MAINTENANCE**

**PROCUS – PROduct excellence – CUStomer service**

# ProCus 51

---

## TECHNICAL INFORMATION

### DESCRIPTION

A specially formulated flux cored solder alloy designed for the easy joining of the dirty metal often needed to be done in maintenance repairs.

### FEATURES

All metals, old and new, develop a non-metallic film or oxide that may inhibit ordinary solders from wetting thoroughly to the material to be joined. The oxide coating isolates the material surface from the solder so to achieve a reliable soldered joint this film or oxide must be removed or released instantaneously during the soldering application.

The special quality of the ProCus 51 flux employed with the alloy is highly aggressive. It ensures an uninterrupted and vigorous cleaning action so as to enhance the soldering process yet there is no greater percentage of flux to solder with ProCus 51 than exists with the ordinary soft solders. The rapid action of the flux loosens and removes surface contaminants and oxides to allow the solder alloy to flow and wet unimpededly. The result is evenly deposited solder and a reliable joint whereas ordinary soft solders can exhibit an insufficient fluxing action that can result in dry joints or balling.

ProCus 51 alloy is manufactured from virgin materials and with of its special fluxing capability is the ideal soft solder alloy for the maintenance workshop.

### TECHNICAL DATA

Tensile Strength: 48.25 MPa (7000 psi)

Melting Point: 238 °C (460 °F)