# Advanced Wear Resistance Technology

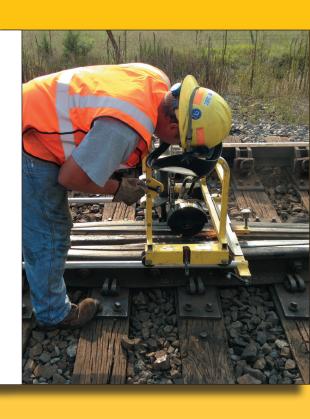
**Engineered for Rail Component Repair** 





# **POSTLE INDUSTRIES**

- + OVER 50 YEARS OF EXPERIENCE IN THE MANUFACTURE OF HARDFACING CONSUMABLES
- + CONSUMABLES DEVELOPED SPECIFICALLY FOR RAIL COMPONENTS
- + CAN CUSTOMIZE PRODUCTS TO FIT YOUR NEEDS
- + TECHNICAL EXPERTISE IN WELDING PROCEDURES AND APPLICATIONS
- + ABLE TO PROVIDE FIELD OR CLASSROOM TRAINING

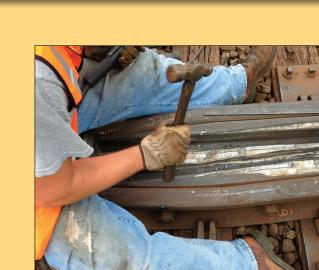




# **PRODUCT FEATURES**

- + EXCELLENT OPERATOR APPEAL
- + EASY SLAG REMOVAL
- + LOW SPATTER
- + EASY FEEDABILITY
- + REDUCED GRINDING TIME
- + UNLIMITED WELDING LAYERS





# PRODUCTS FOR MANGANESE FROGS AND CROSSINGS

### **Electrodes**

AC or DC Reverse Polarity

AC or DC

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Deposits quickly become tougher and harder under load, and will not spall or mushroom.

Tensile Strength 125,000 psi Yield Strength 80,000 psi Elongation 34%

15-22 Rc Hardness as deposited Work-hardens up to 55 Rc Deposit Thickness As Required

Diameters available 1/8" (3.2mm), 5/32" (4.0mm), 3/16" (4.8mm), 7/32" (5.6mm)

**POSTALLOY® 301** 

High strength, ductile, crack resistant stainless alloy designed for crack repair and provides a ductile

build-up layer.

Tensile Strength Up to 120,000 psi Reverse Polarity Elongation 35%

Diameters available 1/8" (3.2mm), 5/32" (4.0mm)

### Self-Shielded Flux Cored Wire

### **POSTALLOY® FROGTUFF-FCO**

High alloy austenitic manganese steel welding wire that produces high-strength, crack resistant

deposits that are tough, ductile and work-harden rapidly.

Tensile Strength 135,000 psi Yield Strength 90,000 psi Elongation 30%

Hardness as deposited 20 Rc Work-hardens to 50-55 Rc Deposit Thickness As Required

Diameters available 1/16" (1.6mm), 5/64" (2.0mm)

# PRODUCTS FOR CARBON STEEL RAIL ENDS

### Electrodes

DC Reverse

**Polarity** 

### **POSTALLOY® RAILTUFF**

A build-up electrode that provides wear resistance far superior to low, medium and low alloy carbon steels. Deposits are extremely tough and have a high resistance to impact and deformation. Not

subject to spalling or roll-over. In addition, deposits are dense, crack-free and porosity-free.

AC or DC 32 to 38 Rc Hardness Reverse Polarity **Deposit Thickness** As Required

> Diameters available 5/32" (4.0mm), 3/16" (4.8mm), 1/4" (6.0mm)

### Self-Shielded Flux Cored Wire

### **POSTALLOY® RAILTUFF-FCO**

Strong, tough, low alloy build-up wire. It can be applied to carbon and low alloy steels. Weld deposits are exceptionally sound and dense, and heavy build-ups are possible without danger of cracking.

DC Reverse

Polarity

Hardness 30-35 Rc

Deposit Thickness As Required

.045" (1.2mm), 1/16" (1.6mm), 5/64" (2.0mm) Diameters available

