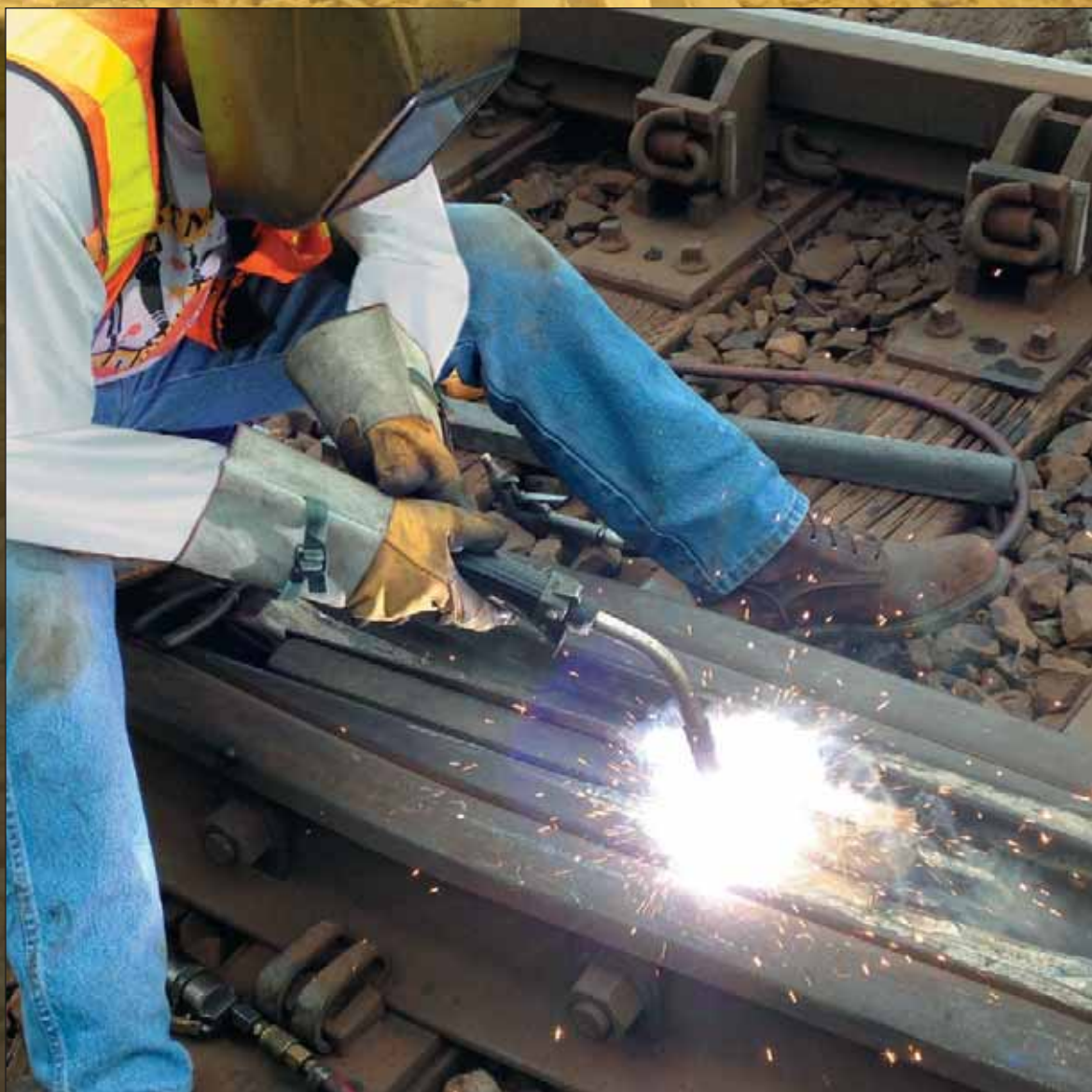


Advanced Wear Resistance Technology

Engineered for Rail Component Repair



 **HARDFACE**
TECHNOLOGIES
by POSTLE INDUSTRIES

www.hardfacetechologies.com



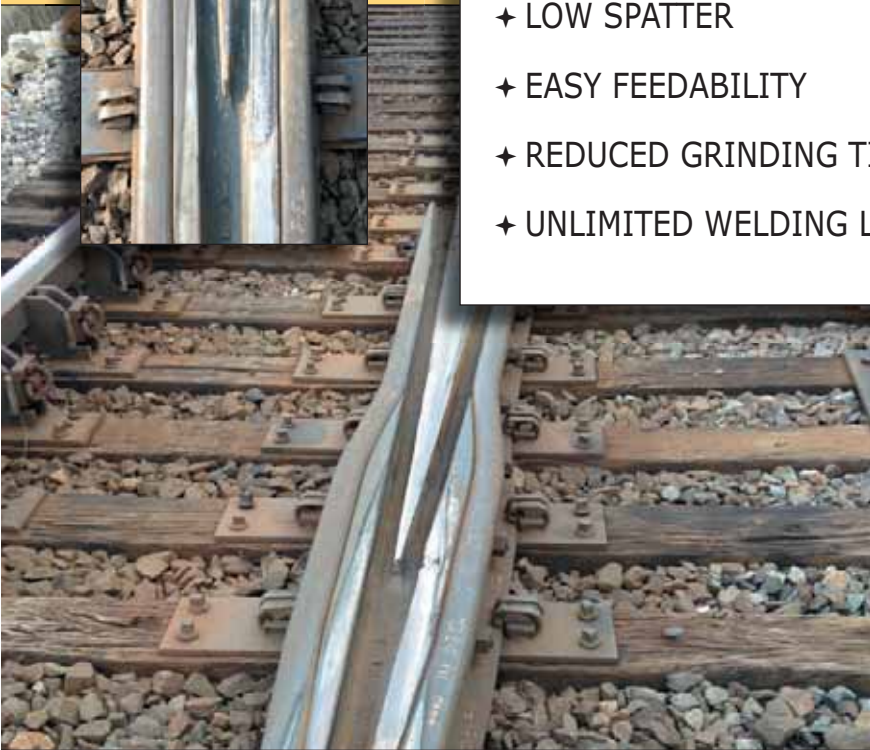
POSTLE INDUSTRIES

- ✦ OVER 40 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

POSTALLOY FROGTUFF	
AC or DC Reverse Polarity	Deposits quickly become tougher and harder under load, and will not spall or mushroom.
	Tensile Strength 125,000 psi
	Yield Strength 80,000 psi
	Hardness as deposited 15-22 Rc
	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	
AC or DC Reverse Polarity	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
	Diameters available 3/32" (2.5mm), 1/8" (3.2mm), 5/32" (4.0mm)

Self-Shielded Flux Cored Wire

POSTALLOY FROGTUFF-FCO	
DC Reverse Polarity	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
	Hardness as deposited 20 Rc
	Work-hardens to 50-55 Rc
	Deposit Thickness As Required
	Diameters available 5/64" (2.0mm)
24-29 Volts 1-1 ¹ / ₂ " Stickout 25 Lb. Spool	

PRODUCTS FOR CARBON STEEL RAIL ENDS

Electrodes

POSTALLOY RAILTUFF	
AC or DC Reverse Polarity	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.
	Hardness Up to 31 Rc
	Deposit Thickness As Required
	Diameters available 1/8" (3.2mm), 5/32" (4.0mm), 3/16" (4.8mm), 7/32" (5.6mm)

Self-Shielded Flux Cored Wire

POSTALLOY RAILTUFF-FCO	
DC Reverse Polarity	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.
	Hardness 30-35 Rc
	Deposit Thickness As Required
	Diameters available 5/64" (2.0mm)
23-28 Volts 1-1 ¹ / ₂ " Stickout	



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CLEVELAND OHIO 44142, USA

216.265.9000, FAX: 216.265.9030

www.hardfacetechnologies.com