

## ReGalv Technical Data Sheet

RotoMetals ReGalv Galvanizing repair stick restores corrosion resistant zinc-Like finish on galvanized plated, shape, pipe, rod, sheets, etc. After welding, cutting, abrasion or other damage to face or edges

**On Galvanized Iron** ReGalv is indispensable.

**On Black Iron**, Regalv prevents formation of rust pockets in the weld or on other surfaces requiring rustproofing before painting.

**On Rusted Iron**, ReGalv re-coats, adheres, and inhibits further rusting.

Re-coats burnt galvanizing also coats the weld and prevents rust

*Rubs on a hot surface like crayon*

Regalv conforms to federal specifications O-G-93 and QQM-151

## Directions for using ReGalv

While the weld or cut is still hot, or after reheating, break off any slag, brush off loose scale or loose rust, and rub the Regalv rod on the hot surface until a small amount flows. Spread with a wire brush to bond it to the base metal. Flux is NOT required. Regalv is self-fluxing. It is not necessary nor desirable to direct the torch onto the Regalv rod.

## Lower temperature

When the surface to be coated is just hot enough to melt Regalv readily, temperature is proper. Regalv flows, spreads, and adheres readily below 600°F. This low temperature allows the user to weld or cut more steel before stopping to apply Regalv.

Excessive temperature would promptly be signalled if Regalv: (a) Melts off the rod faster than it can be spread; (b) brushes off when molten, instead of sticking firmly to the surface; (c) zinc color changes to other hues, requiring a second swiping with wire brush when cooler.

However, tolerable temperature range is quite broad as will be apparent after a brief trial.

**ReGalv**, a product of modern metallurgy, goes on faster smoother, with a firmer bond, and surpasses original galvanized surfaces in corrosion resistance.

Regalv is a true metal coating (not a paint), and does not age to a whitish powdery appearance. It tends to darken slightly when weathered, and maintains its true metallic hue.

Regalv is non-brittle. It does not break into short lengths in shipment or handling, and doesn't hot-crumble and get wasted in use.

**Users:** Practically everyone who welds or flame-cuts has use for Regalv.

Representative Users	Representative Uses (after Welding or burning)
Automotive	Rustproofing welds or burns on frames & bodies before painting. Coating welds before soldering. Filling cracks in cast iron.
Contractors, Heavy Construction	Steel plates, shapes, pipe, hand and guard rails, tanks, window sash, grating, ladders, grilles, fences etc.
Contractors, Highway	Guard rails, sign frames & supports, fences light poles & hardware, culverts, etc.
Farming	Fences, tanks, troughs, pipes, rack, sherds, bins, etc.
Fence Mfrs. & Erectors	Gates, Braces, bolts
Galvanizers	To fill vent holes in hollow objects & to touch up damage after galvanizing.
Industry	General plant maintenance, machine guards, welded steel structures, etc
Iron Works	Fire escapes, grilles, brackets, railing, tanks, etc.
Municipalities	Fences, playground equipment, building repairs, handrails, guard rails, light poles, etc.
Plumbers	Welds or rusts on pipes, fitting & tanks- Patch rusty leaky tanks-Convert black fitting to galvanized on the job-Tough up threads after assembly.

Public Utilities	Ladders, catwalks, gratings, piping, fencing, handrails,tanks, window sash, line hardware stack & supports.
Railroads	Marking location of wheel-burn repairs_ also See Public Utilities above
Riggers	Restore galvanizing on rusty fittings_ Use to form fillet where rope enters socket to prevent moisture gathering there,
Sheet Metal Shops	Welds ot rust on heavy galvanized or black steel.
Shipyards	Stanchions, rigging, piping, bulkheads, handrails, dock repairs, chain etc.
Sign Manufacturers	Welds or rust on outdoor signs & frames
Tank Manufacturers	Welds or rust on black or galvanized steel
Welders	All Welds and cuts on galvanizes steel and welds on black ltron which are to be painted.

Whatever welds, cuts, burns, abrasions, or rust spots require patches or repairs to damaged galvanizing or rust-proofing of black iron prior to painting.

## Properties

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<b>Technical Data</b>	
Melting Range:	450-600°F (232-315°C)
Tensile Strength:	4,900 psi
Compression Strength:	6,000-7,000 psi
Shear Strength:	4,000 psi
Impact Strength (Izod):	18 Joules
Ductility:	Good
Density:	.3353lbs./cu. in.
Elongation:	18% in 2 inches
Linear Expansion: Coefficient:	$25.4 \times 10^{-6} / ^\circ\text{C}$
Electrical Conductivity:	20.9 (%IACS)
Thermal Conductivity:	.097 cal / cm-sec-°C
Flux:	CopperBond Flux
ASTM Specifications:	Exceeds A780