



## Kapp GalvRepair™

### Description

**GalvRepair™** Tin-Zinc-Lead general purpose and Galvanized surface repair solders are economical solders for repairing & joining most metals including Aluminum and Cast Iron. Just like the original Galvanized metal, it metallurgically bonds to the Steel for a seamless, protective barrier. **GalvRepair™** exceeds performance standards as specified by ASTM standard A780 for repair of Galvanized coatings.

### Benefits & Features

**GalvRepair™** has been designed to accomplish three important objectives:

1. Provide excellent cathodic and barrier protection, far superior to Zinc paints and alternative barrier coatings
2. Allow easy application at low temperatures with any heat source
3. Provide a cost effective repair for Galvanized coating defects

### Applications

1. As a General Repair Solder
    - Low application temperatures prevent loss of properties and minimize distortion
    - Excellent for use in production processes joining large surface areas of Aluminum
    - Build up, fill, or seal Cast Iron, Malleable Iron, Copper, Steel, and Nickel alloys
    - Repair Kirksite and Galvanized surfaces
    - Seal water jackets, compressor housings, gear boxes, liners, and Cast Iron radiators
    - Tinning surfaces
    - Will withstand hydraulic pressure up to 900 psi
  2. As a Galvanizing Repair Solder
  3. As A Repair Rod for Hot Dip Galvanizers
  4. As A Repair Rod for Fabricators and Welders
- **Please Note: GalvRepair™ contains 50% Lead. For Galvanizing repairs requiring a Lead-Free alloy, please see the information for Kapp Galvanite™.**

### Properties

Technical Data	
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 x 10 <sup>-6</sup> / °C
Electrical Conductivity:	20.9 (%IACS)
Thermal Conductivity:	.097 cal / cm-sec-°C
Flux:	Kapp CopperBond™ Flux
ASTM Specifications:	Exceeds A780

\*Available in standard forms: ¼" x ¼" x 14" sticks.