ZINC-NICKEL LHE®CODE 4018/5970

Today's demanding industrial applications require well-engineered and proven deposits that pose as little risk as possible to both the operator and the environment. SIFCO's Zinc-Nickel solution provides a superior quality deposit that can be applied anywhere, in the shop or in the field.

For the aircraft industry, it is a less toxic alternative to cadmium that can be used to repair damaged cadmium, zinc-nickel, and damaged IVD aluminum on high strength steels. It does not require a post-plating, hydrogen embrittlement relief bake.

The SIFCO Process of selective plating is an industrial plating process that is designed for demanding applications in OEM and repair. SIFCO has developed and refined its products over the last fifty years to provide the highest quality, adherent deposits that are needed to meet industry's ever changing requirements.

Why use Zinc-Nickel?

Less toxic alternative to cadmium

Provides excellent corrosion protection

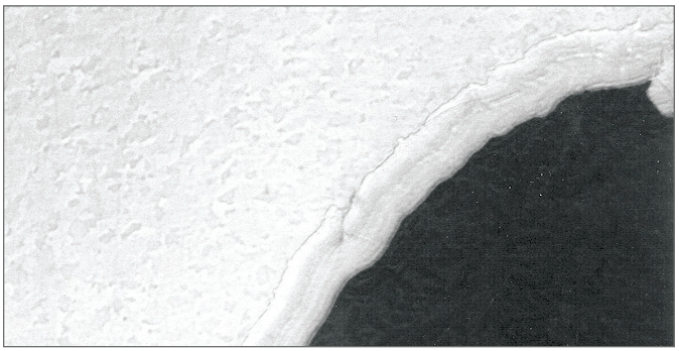
No post-plating bake required

Certified System ISO 9001 AS 9001 Certified System

Nadcap™ Chemical Processing

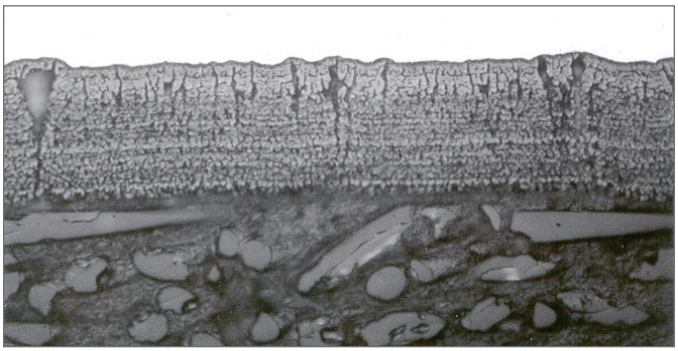
SIFCO APPLIED SURFACE CONCEPTS

ZINC-NICKEL LHE® CODE 4018/5970



Zn-Ni Deposit at 100x

Cross Section of a 0.0025" thick deposit plated onto a low carbon steel substrate and then subjected to a compressive bend. The microporous deposit exhibits excellent cohesion and adhesion to the substrate.



Zn-Ni Deposit at 100x

Cross section of a 0.0025" thick deposit plated onto a low carbon steel substrate. The deposit is micro-etched to reveal structure.

DEPOSIT DATA

Composition	8-12% Ni
Structure	Microporous
Corrosion Resistance	120 hours (ASTM B 117)
Average Hardness	132 HV
Maximum Thickness	0.005 inch
Plating Rate	0.043 inch/hr.

REPAIR Zn-Ni, CADMIUM AND IVD ALUMINUM

This environmentally friendly deposit is an alternative to cadmium that can be used to repair damaged cadmium and zinc-nickel deposits as well as damaged IVD Aluminum on high strength steel without a post-plating relief bake. It provides excellent corrosion protection. When used in conjunction with SIFCO's Trivalent Chromium Conversion solution Code 3007, you can achieve 1,000 hours of salt spray with no basis metal corrosion.

Approved by Boeing, Messier-Bugatti-Dowty, Ratier-Figeac, Turbomeca, and NASA.
Meets the performance requirements of AMS 2451/9 and BAC 5664.

5708 E. Schaaf Road
Independence, OH 44131, USA
Toll Free: 800-765-4131
Phone: +1-216-524-0099 Fax: +1-216-524-6331
Email: info@sifcoasc.com
Website: www.sifcoasc.com

REV 2/12