Zynik II

Zinc-Nickel Alloy Deposit, Low Hydrogen Embrittlement (LHE)

Anoplate's **Zynik II** is a proprietary electrodeposited zinc-nickel alloy containing typically 12-16% nickel by weight which provides excellent corrosion resistance and durability over conventional zinc and other zinc alloys platings, It also provides a more environmentally-friendly replacement for cadmium-plating

Zynik II uses a proven alkaline, non-cyanide plating chemistry for even thickness distribution and excellent alloy distribution, ensuring that the corrosion benefits of the alloy reach in to the deepest geometries. The alkaline version of this deposit is far less brittle than deposits from similar acid formulations.

Where desired **Zynik II** utilizes a clear blue-grey chromate pot-treatment which affords the zinc-nickel deposit yet further corrosion protection. This is purely a functional deposit, matte, cloudy, non-decorative in appearance.

KEY FEATURES

- 12-16% by weight nickel (balance zinc)
- Even Ni percent composition distribution
- Resists Hydrogen Embrittlement
- RoHS compliant, Hex-free trivalent chromate
- Low-stress, fine grained
- Harder than zinc or cadmium
- 500+ hours salt spray resistance

SPECIFICATIONS

- AMS 2417
- BPS 4554, Bell Helicopter
- PN13.22-01 UTC Aerospace

Accredited Nadcap™ Chemical Processing

Typical callout for this finish would be **Zynik II** per AMS 2417, Type 1 (as-plated) or Type II, Grade B (trivalent chromate conversion coated)to desired thickness. Unless otherwise specified the default thickness on parts without external threads would be 0.0003-0.0007" or 0.0002-0.0004" with threads.