

# Enviralloy Ni 12-15

## Alkaline Zinc-Nickel Plating

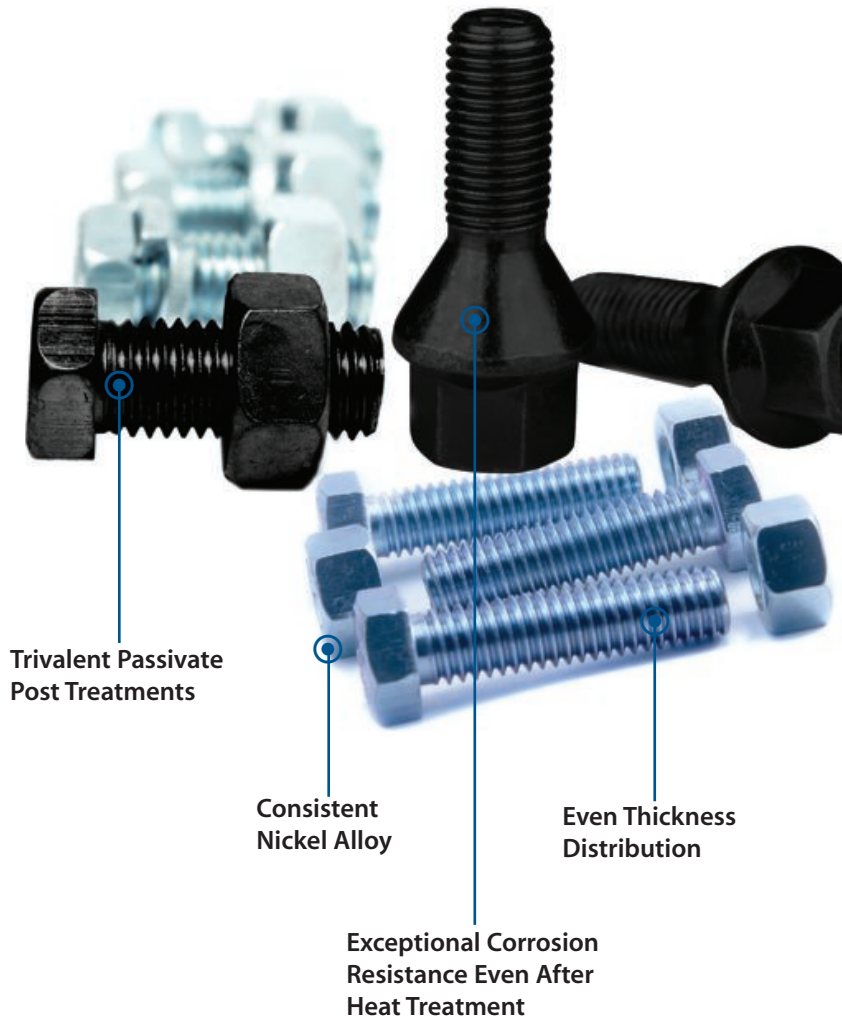
### Innovation For Exceeding Automotive Standards

Zinc-nickel is the choice for high performance coatings in automotive applications. **Enviralloy Ni 12-15** is the process of choice for zinc-nickel applicators who demand consistency in their plating operations.

Along with exceptional corrosion resistance (over 1000 hours in NSS), **Enviralloy Ni 12-15** deposits offer both galvanic compatibility when in contact with aluminium, and hardness for thread forming fasteners.

**Enviralloy Ni 12-15** yields a consistent nickel content of 12-15% across a wide range of current densities and operating conditions.

Designed primarily for barrel, Enviralloy Ni 12-15 can also be used in rack applications. When it comes to delivering high performance zinc-nickel alloy systems, trust MacDermid.



### Key Features

- Consistent nickel alloy
- Even thickness distribution
- High efficiency and plating rate
- Trivalent passivate post treatments
- Exceptional corrosion resistance even after heat treating

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Enviralloy Ni 12-15 meets all automotive specifications for zinc-nickel plated fasteners.

### Consistency In Zinc-Nickel Plating

**Corrosion Resistance** – Enviralloy Ni 12-15 is an alkaline process for the electrodeposition of zinc-nickel alloy with a nickel content of 12-15%. The deposits have a consistent alloy composition and thickness across a wide range of current densities and operating conditions.

**Corrosion Resistance** – This graph demonstrates the superior resistance on Enviralloy Ni 12-15 deposits to first white corrosion, even after extended thermal shock test. Enviralloy Ni 12-15 meets the demands for automotive, fastener and construction applications.

**Environmental Compatibility** – Compatible with TriPass ELV hexavalent chromium-free passivate.

**Global Availability** – MacDermid's range of anti-corrosion coatings are available in all the major manufacturing markets around the world.

### Trivalent Passivate Recommendations

#### TriPass ELV

#### Color

TriPass ELV 2000

Iridescent

TriPass ELV 3000G

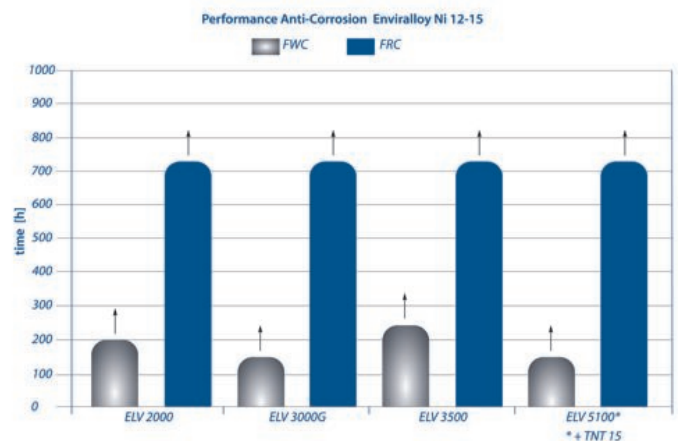
Blue

TriPass ELV 3500

Blue

TriPass ELV 5100

Black



It takes more than innovative, high performance products and superior technical service to help our customers compete and win in today's global marketplace. It takes a total commitment to understanding their needs and the ability to provide the right solutions—every time.

When success is your only goal, trust MacDermid.



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