

**Distek N.A. LLC**



**ArmorGalv®**

*Environment-friendly thermal Diffusion Galvanizing*

Distek N.A. LLC is proud to introduce a new paradigm in corrosion protection:

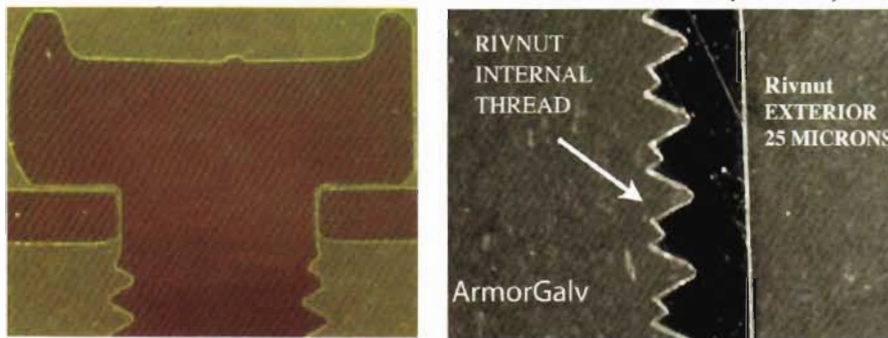
## **ArmorGalv® Thermal Diffusion**

### **Environment-friendly, cost effective corrosion protection.**

The **ArmorGalv®** technology is an environment-friendly process that offers superior corrosion protection and wear resistance as well as anti-galling properties. Following are some highlights of the **ArmorGalv®** technology which is, in fact, a modern, greatly improved, version of the well established Sherardizing zinc/iron vapor diffusion process:

**ArmorGalv®** is not merely a sacrificial coating. It coats and penetrates the surface of any steel part, including wrought and/or forged steel, castings, powdered metal (with no impregnation required!), and all grades of stainless steel, to become integrated with the part that is:

- Controllable and Precise - Thicknesses from 10 $\mu$ -150 $\mu$  (0.0004" to 6 Mils).



*Please note the uniformity of coating even between the captive washer and fastener*

- Highly Corrosion and Abrasion Resistant.



Samples after 1048hrs in salt spray

**Cat actuators**  
5000Hrs Salt spray



**M.J. INTERNATIONAL AND ASSOCIATES, INC.**

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**2006 US EPA WINNER MVP AWARD**

Distek N.A. LLC



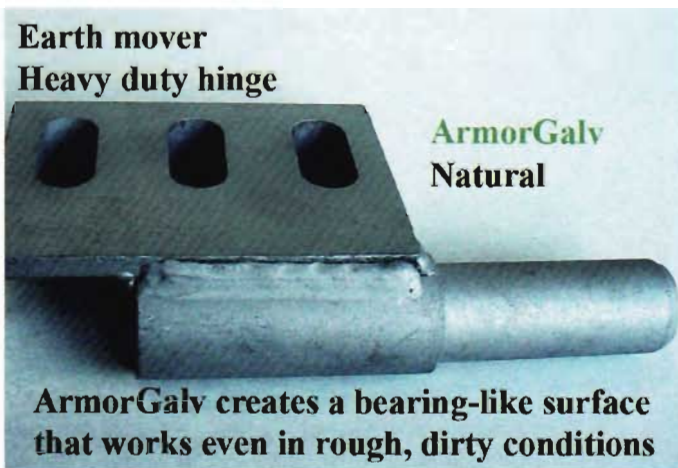
ArmorGalv®

*Environment-friendly thermal Diffusion Galvanizing*

- Chip Proof and Amenable to Crimping and Bending.
- Highly Heat Resistant 1200°F (650°C) continuous service.
- Creates a bearing-like surface for metal on metal low friction operation.
- Excellent anti-Galling properties – a replacement for Cadmium.

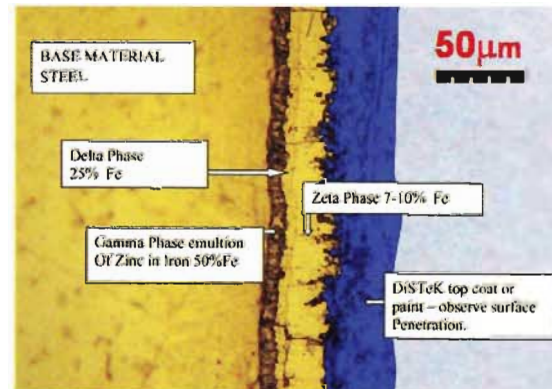


**Florida seawall anchors resist abrasion from installation and long term marine corrosion**



**ArmorGalv creates a bearing-like surface that works even in rough, dirty conditions**

- Works extremely well in harsh marine environment.
- Hydrogen Embrittlement free. Heat treated parts can safely be coated and protected.
- Totally heavy metal free non-toxic (**RoHS compliant**). Recipient of the EPA's **MVP<sup>2</sup>** award (Most Valuable Pollution Prevention technology).
- Excellent base for paint, powder-coating and rubber bonding, due to the micro sponge-like nature of the surface.
- Particularly interesting for powder metal parts, requiring no impregnation and providing not only extremely good corrosion protection, but also improved mechanical properties, wear resistance and excellent paint-ability.



The unique combination of properties offered by the **ArmorGalv®** coating, make it an excellent **replacement for cadmium, chromium** and other toxic materials as well as being very interesting for a multitude of military and industrial applications, from construction in corrosive and marine environments and components on ships to land vehicles, small-arms, artillery and ordnance.

**ArmorGalv®** Thermal Diffusion Coating is covered by **ASTM # A1059**.



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