



Corrosion Management Solutions





ARMOR TEAM

ARMOR EXCLUSIVE: Passionate Service

When you work with ARMOR's personnel and corrosion experts you experience their commitment to our oath: To Serve and Preserve™.

*letter from
ARMOR's President*

Products and Service... it's simple, safe and easy or it isn't ARMOR.

ARMOR Protective Packaging® is an international corrosion management system provider with global reach and a proven, world-class reputation for quality.

ARMOR is also our brand. And our brand is a promise to you. It's a promise that you'll receive the benefits of the industry's cleanest, safest and easiest corrosion management products for your metals.

Many aspects of your business can become complicated in a hurry. Don't let corrosion be one of them. Over the past several decades we've discovered one important fact that makes each of our customers' individual corrosion challenges exactly the same: there is a solution and it can be simple. Challenge us today to deliver the benefits to you that so many other customers have come to rely on since 1979.



*Robin McConnell
President, Technical Director*

*John Holden
CEO*

*David Yanco
Vice President*



Rust Prevention & Rust Removal

Billions of manufacturing dollars are lost every year due to corrosion, literally robbing you of time and profit. ARMOR Protective Packaging® offers time/cost-saving corrosion management solutions that prevent and remove rust. At ARMOR, we recognize that offering a high-quality, effective product is only half the job. Providing unsurpassed customer service is just as important and is the backbone of our company's oath To Serve and Preserve™.

ARMOR'S PLEDGE TO YOU

To Serve

- Unsurpassed service
- Expertise in corrosion management
- Global capabilities where you need us

To Preserve

- Products that are easy, clean and safe
- Full spectrum of corrosion prevention and rust removal products
- Unparalleled quality



ARMOR WRAP[®] paper

ARMOR EXCLUSIVE:
Double the Rust Prevention

ARMOR WRAP[®] VCI papers are impregnated on BOTH sides, unlike most competitors' one-sided products. No guess work! A benefit you'll receive ONLY from ARMOR.



The Industry Standard

For over 30 years, ARMOR WRAP[®] papers have been the industry standard for VCI paper technology. From the best selling ferrous protection paper in the automotive industry, ARMOR WRAP[®] 30R, to our versatile ARMOR WRAP[®] MPI Multi-Metal paper, ARMOR offers you more than 12 kinds of VCI impregnated papers for specific packaging applications and metals. All papers are available in cut sheets, rolls and paper bags with wax, poly coating and reinforcement for the most challenging applications.

part wrapped in
ARMOR WRAP[®]



corrosion-free
metal part
using ARMOR
VCI

corroded unprotected
metal part

How does ARMOR VCI Technology work?

Vapor phase corrosion inhibitors (VCI/VPI) are a class of chemical compounds which emit rust inhibiting vapors into an enclosed air space to prevent corrosion on a metal surface. ARMOR Protective Packaging[®] products utilize our proprietary nanotechnology, essential to keeping your shipments, stored items and even in-process metals corrosion free for years of protection.

SOLUTIONS

*Military Approved
since 1983*



*Silver Shield[™]
silver & noble metal
protection*



Every company touts their customer service, but how many truly build their business around it? To Serve and Preserve[™] is not just a fancy slogan at ARMOR, it's our commitment to you.

Nicole Payne - Business Systems Manager

DID YOU KNOW? More than 90% of the world's largest Fortune 500[™] industrial companies rely on Armor Protective Packaging[®] for corrosion prevention, removal and management systems in their operations.



ARMOR POLY[®] film

ARMOR EXCLUSIVE:
Seeing Is Believing

Can your VCI supplier prove the presence of active inhibitor in their film? We can! ARMOR's Bright Idea Technology[™] offers proof positive.



Cutting Edge Film Technology

With truly some of the most innovative film technology in the VCI industry, ARMOR has set the standard for high performance protection. ARMOR's recyclable films are transparent and heat sealable, providing you the combined benefit of barrier and anti-corrosion protection in an easy to use form. ARMOR POLY[®] is available in sheeting, bags, tubing, shrink film, zipper closure, wickets, pre-opened bags and more.

Crusader[™] - Premium VCI film

The Crusader[™] is a tough, co-extruded VCI film for the most demanding corrosion inhibiting applications. It's ideal for export shipments, long-term storage and is reusable.

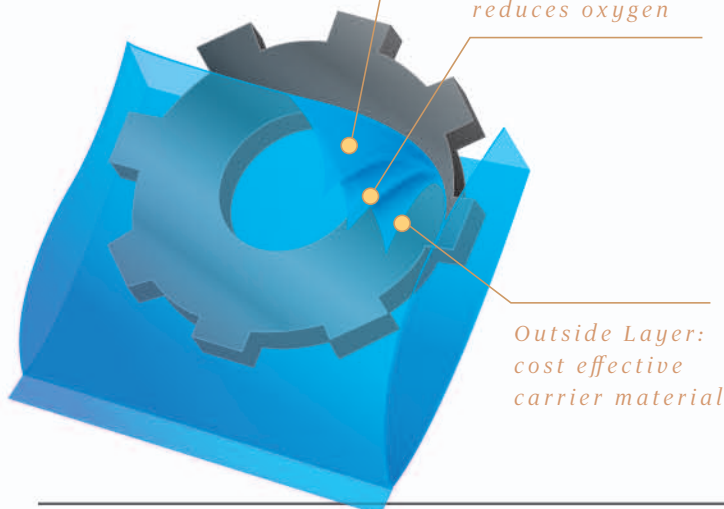
Defender[™] - Cost-effective VCI film

The Defender[™] is an economical co-extruded VCI film that provides a high level of protection without the high costs. At 10-15% savings over traditional bags, it's another ARMOR exclusive and further evidence that caring for your products and your budget is our priority.

*Inside Layer:
VCI where you need it most*

*Middle Layer:
barrier material
reduces oxygen*

*Outside Layer:
cost effective
carrier material*



*Bright Idea Technology[™]
allows for glowingly visible
proof that VCI is present in
our ARMOR POLY[®] under
black light.*



TECHNICAL

*ARMOR POLY[®]
bulk metal parts
protection*



ARMOR's proprietary VCI nanotechnology carries with it more than 39 years of industry experience. From a dedicated R&D lab to technical personnel for on-site audits, ARMOR has the expertise and focus on corrosion management to be your brand of choice for keeping your investments safe.

Wes Measel - Operations-Product Manager

DID YOU KNOW? ARMOR services the following industries: automotive, electronics, military, metalworking, telecommunications, marine, petrochemical, aerospace, farm implements, musical instruments, steel and aviation.

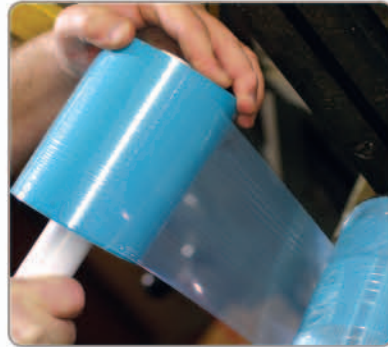


ARMOR SHIELD®

ARMOR EXCLUSIVE:
In-Stock Program

ARMOR offers the largest selection of immediately available stock products in the industry. Just-In-Time is an industry reality, that's why ARMOR has a solution waiting for you.

Banding Film



Innovative Meets Practical

Our Shield® products line is a comprehensive collection of innovative and practical methods for delivering corrosion protection to your parts. All of our Shield® products can be customized to meet even the most demanding specifications. From VCI impregnated elastic bonnets to VCI lined fiber tubing, ARMOR has met the need of customer's specific application challenges since 1979.

Don't see what you are looking for? Let ARMOR design a custom solution for your packaging challenge.

Chips & Fiber Tubes



Stretch Film



Emitting Systems



Corrugated



SUPPORT

Our entire team of sales professionals know corrosion management. We do more than assist you with information and advice. We provide solutions! Challenge us with your corrosion problems.

Candee Williams - Account Manager



HUMIDITY CONTROL

ARMOR SHIELD® desiccants are drying agents used to reduce humidity inside a closed container. Used in conjunction with ARMOR VCI products, ARMOR SHIELD® desiccants provide an excellent protective environment for long term storage or export applications.

Desiccants





DRY COAT™ liquid

ARMOR EXCLUSIVE: Dry-To-Touch

Dry Coat represents a significant advancement in corrosion prevention technology and replaces hazardous oils, flammable solvents, and tacky RPs.

Perfect for exposed metal inside an ARMOR POLY® Heat Shrink VCI Film.



Your Clean, Safe and Easy Solution to Preventing Rust

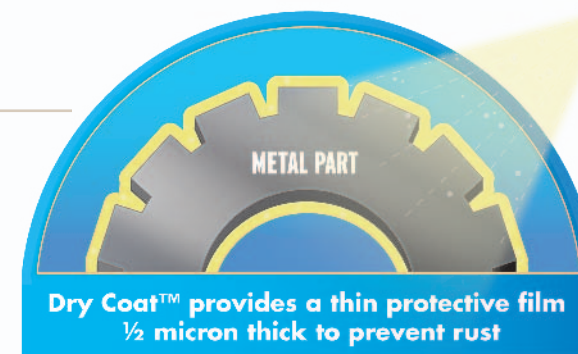
Dry Coat™ Rust Preventative is a clean and easy rust prevention option ideal for small parts in large quantities (nuts and bolts, fasteners, hardware) or odd-shaped parts that cannot be placed into ARMOR bags or wrap. It also works well for export equipment or machinery, gears, pipes, flanges, cast iron and ferrous metals and saves time and money compared to other wrapping methods.

Dry Coat™ is a water-based liquid that once applied (via dip, spray or flowcoat) will provide a clear protective coating. At ambient conditions, Dry Coat™ will dry-to-touch within 30 minutes and will not attract dirt or dust on metal parts such as other sticky or tacky products. Dry Coat™ is non-hazardous; a safe and user-friendly replacement for solvent and oil-based corrosion inhibitors.

Dry Coat™ is ideal for small parts in large quantities.



QUALITY



Expertise in rust prevention is what you've come to rely on ARMOR for, it is the foundation of our business. Dry Coat™ Rust Preventative is one more option in the ARMOR arsenal of rust prevention options available to our customers.

Selena McKay - Business Manager





METAL RESCUE™

ARMOR EXCLUSIVE:
Safe on Everything!

With proper use, Metal Rescue™ will not harm other materials such as wood, glass, rubber, vinyl, paints or plastic. It's "safe on everything except rust"!

Clean part



Remove dirt, grease or contaminants from substrate. Immerse part fully in Metal Rescue™ liquid.

Immerse part



Immersion time ranges from 5 minutes up to 24 hours for heavily rust items. Remove immediately once de-rusted.

Rinse and dry part



Once rust has been removed, rinse and dry thoroughly. Store or ship in ARMOR rust prevention products for best protection.

Clean, Safe and Easy Rust Removal

Fed up with dangerous, large-scale rust remover baths?

Using Metal Rescue™ makes de-rusting tasks easier, cleaner, and more efficient. It significantly reduces your product cost and equipment expense and increases safety by eliminating dangerous acids and harsh chemicals from the workplace.

Frustrated with receiving rusted parts?

Put Metal Rescue™ to work in your plant and your frustration ends! Metal Rescue™ cuts transportation, rework, handling and administrative costs.

Metal Rescue™ is like a magnet, it's water-based formula attacks rust but is safe on everything else.

Jerry Golebiewski - Regional Sales Manager



EXPERTISE

Metal Rescue™ attacks rust by utilizing a water-based synthetic molecule specifically attracted to iron oxide. Metal Rescue™ removes the iron oxide and holds it in the solution, leaving the base part and other materials safely unaffected. The result? The cleanest, safest, and easiest way to remove rust in the industry.



Parts immersed half-way in Metal Rescue™

DID YOU KNOW? Metal Rescue™ has been used by a vast array of industries such as automotive, construction and mining equipment, metal working, farming, antiques, classic car restoration and home hobbyists.



TECHNICAL

ARMOR EXCLUSIVE: ARMOR Protection Audit

ARMOR offers an exclusive 10-point corrosion reduction audit designed to identify and eliminate your costly rust and corrosion problems. Free of charge to all ARMOR customers!

TECHNICAL SERVICES: Other companies charge thousands for what ARMOR offers as part of our service pledge to you.



What causes corrosion?

Corrosion is an electro-chemical process and will not take place without a conducting solution. The solution is called an electrolyte, and it is caused by water, rain, moisture, and humidity. A relative humidity of 65% forms electrolytes which lead to corrosion.

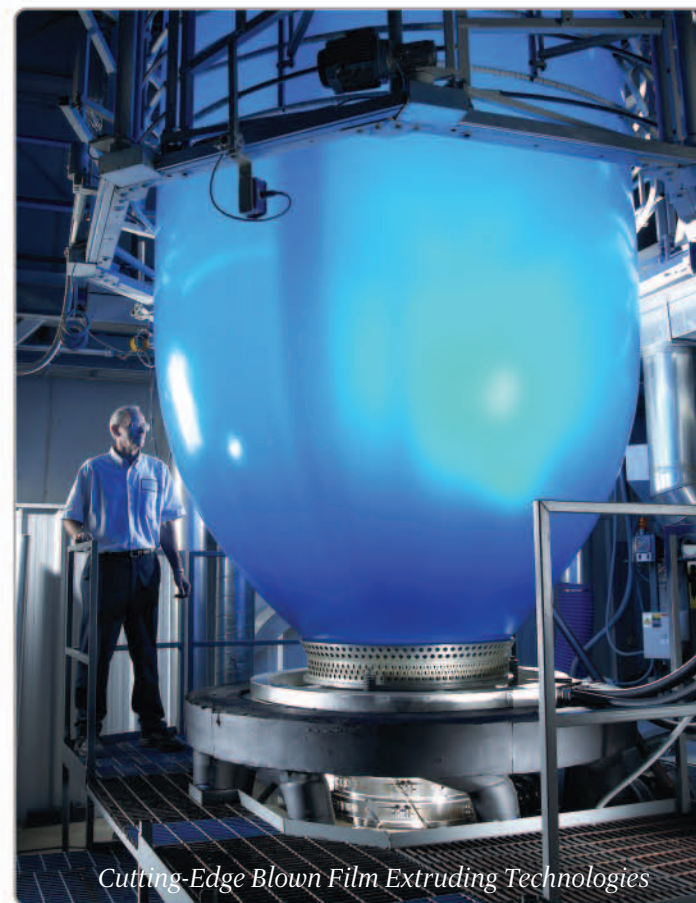
What is VCI?

VCI is an acronym for Volatile Corrosion Inhibitor. VCI chemicals are a class of corrosion inhibiting compounds with sufficient vapor pressure to release compound molecules into the air. All ARMOR VCI products are both vapor phase and contact phase.

What are the advantages of ARMOR VCI packaging?

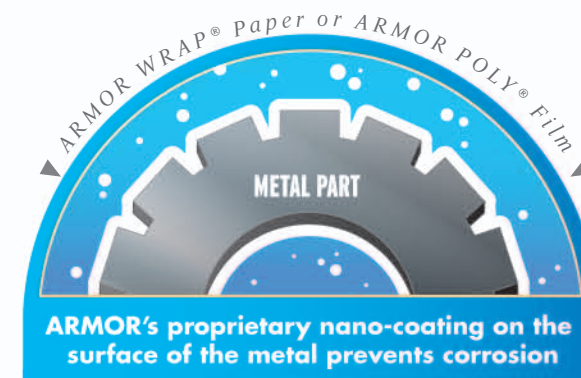
ARMOR offers cost-effective protection because our proprietary VCI vapors replenish inside each package. ARMOR products are easy to apply: no grease, messy oils, or surface preparation and no need to remove VCI protection before using or welding products.

ARMOR PRODUCTS: Safe for you. Safe for the environment.



Cutting-Edge Blown Film Extruding Technologies

FROM TECHNOLOGY TO APPLICATION & RESULTS ARMOR takes cutting edge technology and makes it work for you. For instance, our multi-layered film construction and proprietary formulas help to protect valuable equipment during a long and harsh ocean transit.



ARMOR's Proprietary Nanotechnology

ARMOR has engineered highly specialized corrosion inhibitors based on ionic salts. Our packaging materials are infused with the corrosion inhibitors, carrying them into the packaging environment. In the presence of moisture the salts dissolve to form ions, permeating the packaging environment with corrosion inhibitors. The inhibiting ions are attracted to and deposit on metallic surfaces displacing moisture in the process and re-associating to form a stable nanocoating only a few molecules thick.



GLOBAL REACH

ARMOR EXCLUSIVE:
Thought Leadership

ARMOR's President and Technical Director, Robin McConnell, currently holds the honor of being one of two non-Chinese Foreign Editors of China's "Packaging Engineering" magazine.

On Guard To Serve and Preserve™ with Locations Around the World

Working with ARMOR gives your company the edge it needs to compete in a global economy. With corrosion inhibiting and removal systems that are easy, clean and safe, ARMOR keeps your company doing what you do best: producing metal parts, free from worry about rejects and rust complaints.

With service on four continents and in more than 25 countries, ARMOR is positioned to provide you corrosion management solutions wherever you need them.

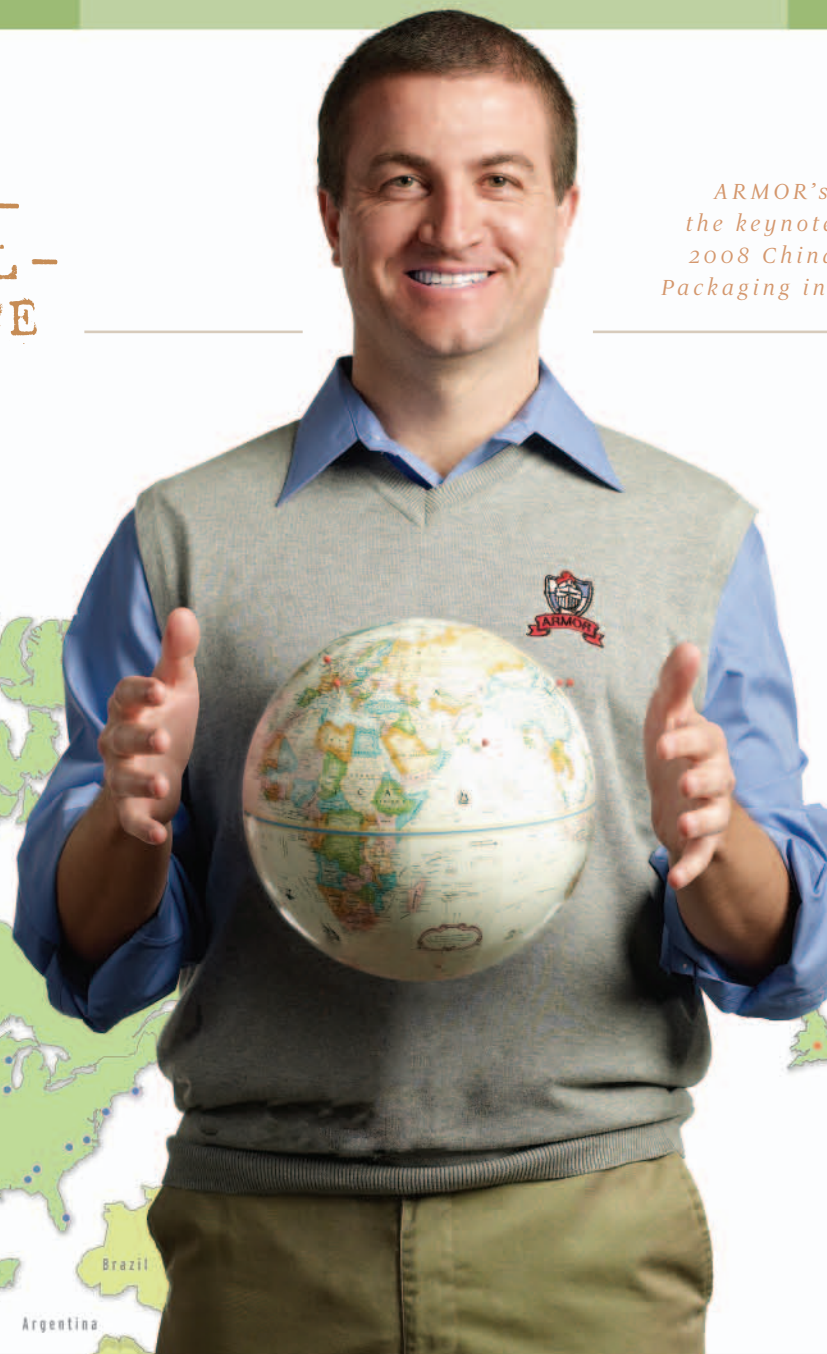
LOCAL -
GLOBAL -
SERVICE

ARMOR's President gave the keynote address at the 2008 China Conference on Packaging in Zhuahi, China.

In selecting our global partners, ARMOR seeks out like-minded professional companies that focus on providing their customers with unsurpassed service. Through our international network of partners, ARMOR is able to offer our global customers products where they need them with service that is local.

Fernando Longinotti - International Sales Manager

Vice President David Yancho visiting with Asian partners



DID YOU KNOW? ARMOR received a "cameo" in Iron Man 2! ARMOR WRAP® Paper and ARMOR POLY® Film products were featured in the major motion picture Iron Man 2™ from Marvel Studios®.



SUPPORT™

ARMOR EXCLUSIVE: Focus On the Customer

Focusing on the customer isn't new, but focusing on them one at a time, might be! With ARMOR you'll get individual customer care and products that are safe, clean and easy or it isn't ARMOR!



ARMOR offers easy to use recommendations based on "Best Practices" from over 30 years of field experience.

What else can ARMOR do for you?

We've told you about our passion for service, our simple, clean, and safe products and our global reach. But did you know that ARMOR offers a wide range of additional services, free to our customers?

- Accelerated corrosion testing
- Exclusive PROTECTION audit
- Customer-specific inventory program
- On-site training at your location
- Packaging recommendations

How can I purchase ARMOR products?

ARMOR is sold through industrial packaging distributors. For the authorized ARMOR distributor nearest you, please contact ARMOR Protective Packaging.

- Tollfree (800) 365-1117
- Email: info@armorvci.com
- Website: www.armorvci.com



SERVICE

When you work with ARMOR, you receive the benefit of our team's vast expertise and ability to attack your challenges with a variety of clean, safe solutions.

Julie Eastwood -
Senior Customer Service Representative



Products from Workshop Hero™, the consumer division of ARMOR, are available online and in select stores. Learn more about our consumer products at www.workshophero.com.

On Guard To Serve & Preserve™



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*For more information about our consumer division contact
Workshop Hero™, a division of ARMOR Protective Packaging®*

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