

Renewables

Preservation Technologies for Asset Integrity



Wind Construction



Solar



Transmission & Distribution

Daubert Cromwell technologies are designed to provide complete preservation solutions for the Renewables Industry

VCI Poly & X-O Wrap

Premium Metal-Guard® VCI poly sheeting, bags, stretch film, and bubble wraps are designed to prevent damage and corrosion using high-strength, moisture-resistant VCI poly.

Premium Metal-Guard X-O Wrap Shrink Film heavy-duty outdoor barrier wrap keeps metal clean, dry, and corrosion-free. The thick, heat-sealable, puncture-resistant, UV stabilized flexible VCI shrink film conforms easily to the shape of the equipment.



VCI Devices: Emitters & Foam

VCI Devices add an important dimension to corrosion preventive packaging, especially in hard-to-reach areas. Daubrite® Emitters and Foam protect against corrosion in electrical panels used in offshore Oil & Gas. VCI molecules vaporize and protect the internal components. Easy installation. Meets NORSOK requirements.



VCI Powders

Nox-Rust® VCI Powders provide continuous corrosion protection for internal metal surfaces of enclosed systems for lay-up, preservation, and hydrostatic testing.



The Right Formula for Success

Daubert Cromwell Proven Brand Chemistries



Silver Saver® & Silver-Guard™

Silver Saver anti-tarnish paper is a bleached kraft coated with a proprietary chemical formulation which prevents silver and palladium from tarnishing. Silver Saver paper protects silver and palladium without leaving residue on the metal surfaces. It will not affect solder, conductivity or surface resistivity. Silver Saver is commonly used in solar energy, electronics, aerospace, automotive and precision parts manufacturing.



Rust Preventive Liquids

Daubert Cromwell offers a complete line of corrosion inhibitor liquids, oils and coatings to prevent rust on exposed metal parts at all stages of their lifecycle - during manufacture, use, storage, export, lay-up and preservation.

Liquid VCI formulations can be sprayed or fogged into hard-to-reach areas using normal industrial application equipment.



Waxes & Grease

Versil-Pak flexible, greaseproof, waterproof barrier material provides corrosion, abrasion and impact protection. Ideal for use on oil rig industrial piping and shafts.

Provides high tensile strength, moldability, and conforms to nearly every surface, including hard-to-reach spaces such as joints and valves.

Used in combination with VCI stretch film, results in active VCI protection and barrier protection combined



Rust Removers

Evapo-Rust® liquid removes rust (iron oxide) without posing health or environmental hazard. Safe on multimetal and non-metal surfaces. No acid or alkalis, and will not pit unruined steel. Non-toxic, no VOC's or HAP's, non-corrosive and non-flammable.



Global Partner



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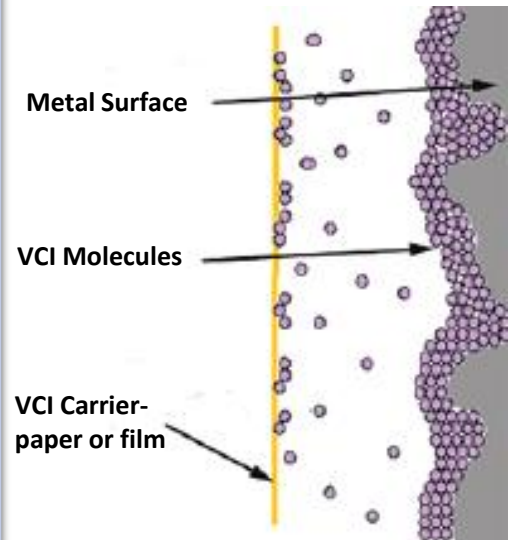


Choosing the Right Corrosion Prevention

By answering this logical sequence of questions, you will be able to Identify the right solution for your metals packaging application. It's a simple formula, called **METFAR-UP™**

Metal	What type of metal requires protection: ferrous, non-ferrous, multi-metal, or specialty? What is the surface profile and its existing condition? What is its shape and size?
Exposure	What conditions will the object be exposed to: indoor covered, outdoor covered, outdoor uncovered? Will there be changes in temperature? Consider heat, cold, humidity.
Time	How long will the object need corrosion protection: 1-12 months, 1-5 years, 5+ years?
Form	What is the desired type of corrosion protection: Contact (liquids) or Volatile (VCI papers, wraps, films, devices, liquids)?
Application	Where and how will the corrosion protection be applied? Who will package the metal object in VCI packaging or apply the anti-corrosion product?
Removable	What are the expectations for removal? Consider timing and equipment.
Upstream	What is the condition of the object prior to protecting: has it been exposed to corrosion? What were the last upstream procedures prior to applying protection?
Preferences	What are the environmental expectations: VOC limitations, waste disposal considerations, emission regulations, etc.? Any specifications need to be met, such as military or corporate? Other preferences?

How VCI Works



Daubert Cromwell's VCI chemistry volatilizes in the enclosed environment, forming a protective molecular layer on the surface of the metal, creating a barrier against corrosion. VCI technology is based on the combined principles of polarity and volatility. When metals are in an enclosed environment the carrier applies a protective molecular layer, which prevents moisture, salt, dirt, oxygen and other materials from depositing on the metals and inhibits corrosion.





**DAUBERT
CROMWELL**
The Leading Name in Corrosion Prevention®

New Wind Construction

Corrosion protection of nacelle, gearbox, generator, control and power electronics during construction. Ocean transit, commissioning, and during maintenance operations.



Solar

Photovoltaics require silver to maintain optimal electro conductive qualities. Protecting them from corrosion is critical for maintaining asset integrity.



Transmission & Distribution

Platform equipment, electronics & infrastructure needs corrosion protection for extended operating and reduced replacement costs. Increase asset integrity.





***The Leading Name in Corrosion Prevention®
At the Forefront of VCI technology for Over 80 Years!***

Export Shipment



Automotive



Metalworking



Heavy Equipment



Aerospace & Military



Energy



Your Single Source for Corrosion Protection

Daubert Cromwell offers a complete line of corrosion preventive solutions for the Renewables Industry. Our expertise as a world leader serving automotive, heavy equipment, metalworking, export, and aerospace/military requirements serve to help you cut your cost of corrosion. Our global team of technical experts are available to work with you to identify and resolve corrosion issues. No other VCI company has more years of proven experience in the integrated development of industrial-grade corrosion preventive solutions.



ENERGY & INFRASTRUCTURE

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