



**Attention: Editor**  
**April 11, 2025**  
**PRESS RELEASE**



## Meeting the Demanding Needs of the Military:

### Reliable VpCI® Corrosion Prevention for Military Production and Long-Term Storage

In today's rapidly changing world, military forces must be prepared for immediate deployment. This sector faces unique challenges in combatting corrosion, from the preservation of stored vehicles and weaponry to the protection of sensitive electronic components and critical infrastructure.



VpCI® technology provides corrosion protection for both military and industrial production processes and asset preservation. Pictured on the right is a military airplane wrapped in MilCorr® VpCI® Shrink Film.

Protecting military assets from corrosion is critically important today for a multitude of reasons:

**Maintaining Operational Readiness:** Corrosion can stop vital equipment from working, greatly slowing down our ability to react to crises.

**Preventing Enormous Financial Costs:** Corrosion causes billions of dollars in damage to military budgets each year by prompting repairs, replacements, and delays. Stopping corrosion now will save a lot of money later. Protecting equipment from rust makes it last longer. Research shows that preventing corrosion properly can cut the cost of keeping weapons working by up to 30%.



**Ensuring the Safety of Personnel:** Corrosion weakens structural components and causes system failures in military equipment, posing severe safety risks to personnel during training and operations. Corroded electrical contacts in aircraft, for instance, have been linked to accidents and fatalities.

**Environmental Responsibility:** Modern military organizations are increasingly focused on sustainable practices. Corrosion protection such as Cortec's VpCI® technology reduces the demand for repairs and the generation of hazardous waste from damaged equipment, aligning with the military's increasing focus on environmental responsibility.

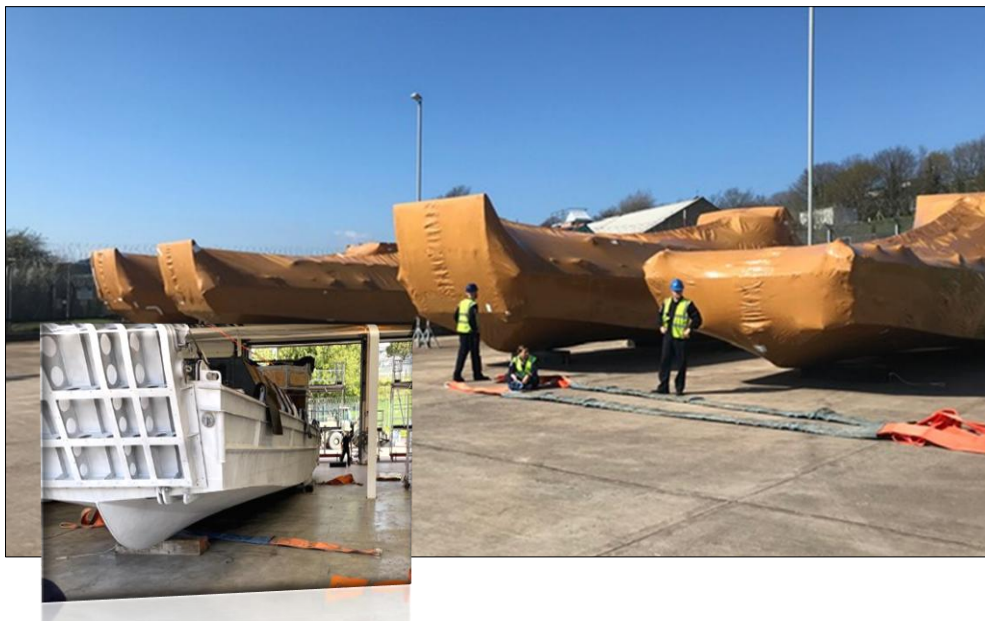
**Operating in Harsh Environments:** Because military forces use their equipment everywhere, even in places with extreme moisture, salt air, heat, and cold, rust can damage things quickly. Protecting the equipment is imperative to keep it in good shape.



Cortec® Corporation, a global leader in innovative and environmentally responsible corrosion protection technologies, manufactures a wide range of solutions specifically designed to meet the demanding needs of the military industry. With a proven track record protecting critical assets in thousands of applications worldwide, Cortec® offers environmentally responsible (VpCI®) technology to ensure the reliability and longevity of military equipment and infrastructure. Our solutions offer multi-metal protection, are easy to apply and remove, and can significantly reduce maintenance costs and downtime. VpCI® inhibitors provide corrosion protection in both industrial production processes and military preservation phases. The integration of VpCI® at the manufacturing stage promotes the durability and extended lifespan of future military assets. Cortec® Corporation together with its

partners have authored several case histories demonstrating the effectiveness of VpCI® solutions in real-world military scenarios. Cortec's comprehensive product line for the military includes:

**VpCI® Packaging:** A wide array of films, bags, papers, and foams that release corrosion inhibitors to protect enclosed equipment during storage and transit. These recyclable materials offer a simple and reliable way to protect sensitive components as well as large assets.



Five year protection of LCVPs (Higgins boat) with Cortec's solutions at Devonport, UK.

**VpCI® Liquids and Coatings:** A range of water-based and solvent-based coatings, rust preventatives, and additives designed for direct application to metal surfaces, providing long-term protection even in aggressive environments. These solutions can be used to help protect vehicles, weapons systems, and infrastructure. Additives will defend lubricant systems from corrosive environments and contaminants.

**VpCI® Powders and Emitters:** Protect electronic and electrical assemblies during the various stages of fabrication, assembly, shipping and field operation. Use VpCI® powders to protect difficult-to-reach voids.

**Surface Preparation and Cleaning:** Biobased cleaners and rust or scale removers such as EcoClean® Biodegradable Scale and Rust Remover Powered by Nano-VpCI™ prepare surfaces for long-term corrosion protection.



"We understand the critical importance of maintaining operational readiness and the significant costs associated with corrosion in the military sector. Our team of experts works closely with defense organizations around the world to develop and implement corrosion protection strategies that maximize asset longevity, minimize operational disruptions, and above all, deliver solutions that meet their unique and demanding requirements," says Boris Miksic, CEO of Cortec® Corporation.

VpCI® formulations provide many practical ways to protect military equipment. They have been successfully implemented by military and industrial organizations globally, demonstrating their effectiveness in protecting a wide range of assets, including:



- Vehicles and transportation equipment
- Weaponry and ammunition
- Electronics and communication systems
- Aerospace components
- Naval vessels and offshore structures
- Storage facilities and infrastructure



Corrosion protection of an “AW 139” helicopter fuselage to be ocean shipped to Baltimore, USA. Solution: VpCI®-126 film integrated with VpCI®-137 foam.

You can find more information about Cortec’s MilCorr® product line specialized for preservation of military equipment here: <https://www.milcorr.com/>

**Key words:** military equipment, VCI, VpCI, corrosion protection, military readiness, preservation, weaponry, Cortec Corporation

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Cortec® Corporation is the global leader in innovative, environmentally responsible VpCI® and MCI® corrosion control technologies for packaging, metalworking, construction, electronics, water treatment, oil & gas, and other industries. Our relentless dedication to sustainability, quality, service, and support is unmatched in the industry. Headquartered in St. Paul, Minnesota, Cortec® manufactures over 400 products distributed worldwide. ISO 9001:2015, ISO 14001:2015, & ISO/IEC 17025:2017 certified. Cortec® website: <http://www.cortecvci.com>. Phone: 1-800-426-7832. FAX: (651) 429-1122.