

AC•TECH

Allied Construction Technologies, Inc.
When Performance Counts!

AC•Tech

AB-COR™

CORROSION PROTECTION SYSTEMS

Revolutionary Bionic Corrosion Protection Solutions for Steel Structures



Rust Has Finally Met Its Match.

AB-COR™ CORROSION PROTECTION SYSTEMS ▼

CORROSION PROTECTION & CONTROL A HISTORICAL CHALLENGE

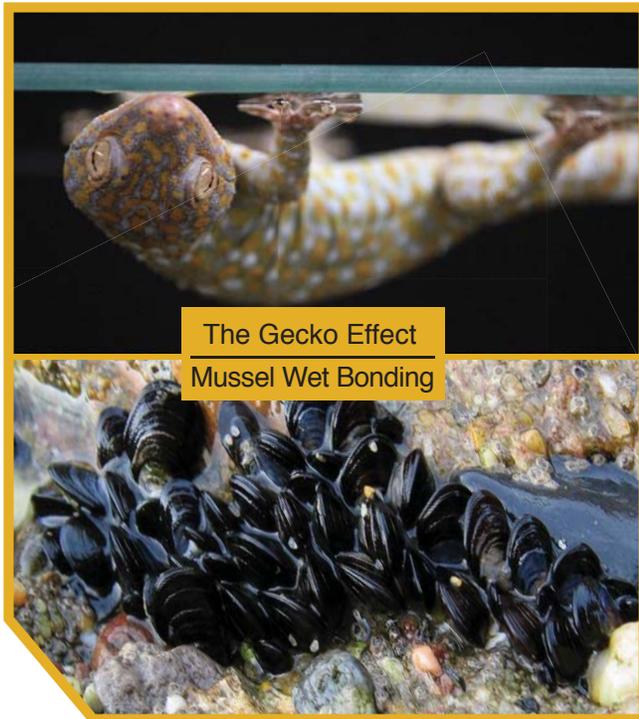


What do storage tanks, water tanks, bridges, ships, piers, bulkheads, bio-gas facilities, pipes and foundations all have in common?

They are susceptible to the destructive and costly effects of *rust*.

Today's metallic structures require durable, reliable, environmentally responsible and economical solutions to protect them from the various stresses that cause corrosion, damage and structural failure. Exposure to environmental, chemical and mechanical strains, separately or together, will cause many anti-corrosion coatings to fail over time.

AC•Tech's AB-COR™ Corrosion Protection System is a ground-breaking, **single coat** anti-corrosive coating system for both industrial and commercial projects. The **AB-COR™** products were developed with state-of-the-art bionic engineering and **nanotechnology** based on a sophisticated realization of natural chemical & physical principles.



The Gecko Effect
Mussel Wet Bonding

REVOLUTIONARY BIONIC TECHNOLOGY

A NEW & EXCITING APPROACH

The development of **AC•Tech's AB-COR™ 950 SW** base coat, as well as its adhesive and anti-corrosive properties, is due largely to the study and adaptation of proven adhesive methods found in nature.

AB-COR™ 950 SW chemically mimics two of nature's most tenaciously bonding creatures; the **gecko**, which exhibits the ability to cling to smooth surfaces, and the **sea mussel**, which can attach itself permanently to rocks while withstanding wet, dry and fully submerged conditions.

The synthesis of these characteristics give **AB-COR™ 950 SW** excellent adhesion, unmatched anti-corrosive properties and impressive resistance against cathodic corrosion & corrosion migration or "corrosion creep".

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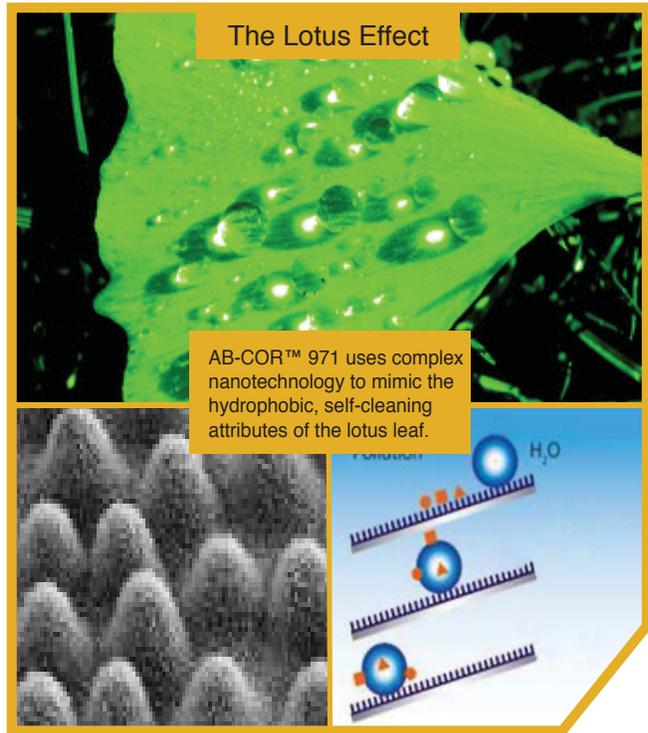
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SOPHISTICATED NANOTECHNOLOGY AN INNOVATIVE DEVELOPMENT

The lotus flower leaf is known for its double layered structure: its epidermis is comprised of small, evenly spaced bumps that are coated in a thin, hydrophobic layer of wax crystals. Because of this, dirt and other contaminants only make contact with the peaks of these bumps and water easily washes them away.

AC•Tech's AB-COR™ 971 optional top coat was developed with these same physicochemical characteristics and adapted into a high-performance coating.

AB-COR™ 971 uses sophisticated nano-particle surface technology by combining hydrophobic surface chemistry with a tiny, rigid nano-structure, much like the lotus leaf. This coating is not only hydrophobic and **self-cleaning**, but is also scratch and impact resistant, weatherproof and **UV stable**.



The chemical design of **AC•Tech's AB-COR™** products requires a **single application** step where other products require several steps, making **AB-COR™** ideal for long lasting, durable and high performance corrosion protection solutions.

However the **AB-COR™** products are also **VOC & Solvent free**, made **without** migrating plasticizers and other harmful chemicals. Not only does this make **AB-COR™** products environmentally friendly, but it also makes them safe for use with potable water.

AB-COR™ has undergone extensive, long-term testing to show its resistance to gasoline, oils, solvents, alcohols, thinned acids, soluble salts, sea water, sewage water and microbial depositions. **AB-COR™** products resist corrosion even in the harshest conditions and is backed by a **10 year** warranty.

Billions of dollars are spent every year on repairing heavily corroded metallic structures or replacing them entirely. **Protect your investment with AB-COR™.**

HIGH PERFORMANCE WITH SAFE CHEMICALS A RESPONSIBLE SOLUTION



For more information, call us today! (757) 855- 5100
www.actamerican.net

AC•TECH CORROSION PROTECTION SYSTEMS

CORROSION PROTECTION PRODUCTS

AB-COR™ 950 SW

Single Coat Corrosion Protection System
Revolutionary Bionic Technology
Standard Spray Application
Two Components

Available in 2.8 Gallon Units

AB-COR™ 971

Self-Cleaning Top Coat System
Innovative Nanotechnology
UV Stable
Single Component

Available in 2.6 or 6.1 Gallon Units

FEATURES ▼

- Revolutionary Bionic Technology
Advanced, Nature Based Properties
- VOC & Solvent Free
- True Single Coat System
No Primer Necessary
- Innovative Nanotechnology
Nano-Particle-Surface Properties
- No Plastisizer Migration
- No Corrosion Migration
Prevents "Corrosion Creep"
- Excellent Adhesion Strength
- High Chemical, Mechanical & Thermal Resistance

AC•Tech is a worldwide partnership, providing cutting edge technology, products and solutions to the flooring and construction industries. While maintaining a focus on environmentally responsible products and with a century of combined experience, we are building a solid foundation of quality, integrity, technical expertise and services. We strive to meet the challenges of today while developing solutions for the global market of tomorrow.

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Allied Construction Technologies, Inc.
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3302 Croft Street, Norfolk VA, 23513
Office: 757.855.5100
Fax: 757.855.5108
Email: info@actamerican.net
www.actamerican.net