

HVAC/R Products

HVAC/R Products

Specialized Solutions for the Heating, Ventilating,
Air Conditioning & Refrigeration Industry.

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Setting Limits By Probing The Impossible





This catalog contains information about chemical solutions for Heating, Ventilating, Air Conditioning, and Refrigerating (HVAC/R) units. Among these are acid and alkali cleaners, salt neutralizers, disinfectants, algae & slime inhibitors and anti-corrosion coatings. These chemical solutions are derived using the latest technology and chemistry available and are designed for use in a wide variety of applications and environments.

Our HVAC/R product line was developed to provide specialized solutions for various types of HVAC/R systems as well as general system maintenance, corrosion protection and cleaning. Using our chemical solutions with regular maintenance, will increase energy efficiency, extend the life of the units and reduce operating costs.

On the following pages you will find our product range with related application information. Should you require additional product information or wish to inquire about product availability, please contact Customer Service and Support at 1-800-752-6627 or visit our website at www.kor-chem.com.



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Corrosion Guard™

A Protective Metal Coating

Corrosion Guard is a unique waterborne coating that when applied to air conditioners and refrigeration units will help protect the metal surface from the damaging effects of water, UV light and salt spray. Corrosion Guard is environmentally friendly, nonflammable and nontoxic. The coating quickly dries to form a durable, flexible clear coating that expands and contracts with the metal. This coating works by forming a resistant barrier that prevents moisture from coming into contact with metal surfaces. The Corrosion Guard coating also incorporates anti-deposition technology that resists contaminant deposits and reduces the frequency of coil cleaning. Corrosion Guard can easily be applied by airless sprayer, pump-up sprayer, trigger sprayer, brush, roller and dip applications right on site, with no need to ship the coils away to be coated.



Advantages

When surfaces are properly cleaned and prepared, Corrosion Guard will:

- Significantly extend the life of the HVAC/R unit
- Tightly bond to metal surfaces and provide excellent corrosion protection & resistance
- Help maintain energy efficiency
- Resist contaminant build-up and re-deposition
- Decrease maintenance expenses and replacement part costs

Provides Protection Against

Salt spray, salt water, high humidity, acid rain, UV light, chlorine, acids, alkalis and other corrosion inducing agents.

Approved Applications

Coastal or marine environments, airports, oil refineries, paper mills, chemical plants, manufacturing plants, water and wastewater treatment facilities, industrial warehouses, hospitals, nursing homes, schools, universities, restaurants, bakeries, government and public buildings, residential homes and other potentially corrosive environments.

The Clear Advantage

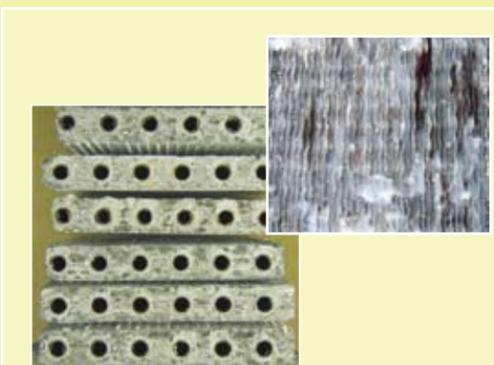
An independent laboratory conducted the ASTM-B117 Salt Spray Test on a group of untreated AC coils & fins and a group treated with Corrosion Guard. After over a 1000 hrs of continuous exposure in the harsh salt environment, the untreated units show large amounts of white corrosion, while the units treated with Corrosion Guard are clearly unaffected.

Reduces Operating Costs by 60% Over A Two Year Period!

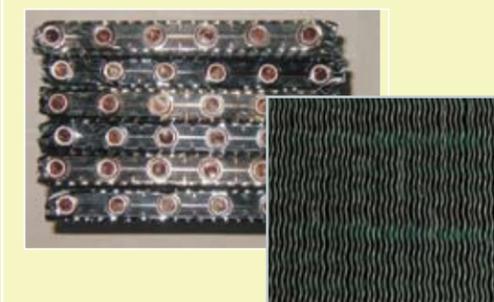
Proven Results

Corrosion Guard has been tested extensively and approved by a leading aluminum manufacturer and endorsed by a prominent HVAC manufacturer.

Corrosion Guard's field performance continues with outstanding results. In a field testing site on Emerald Isle, North Carolina, Corrosion Guard has provided spotless protection around the clock since 2003 and counting.



AC coils & fins exposed to salt spray corrosion testing without a Corrosion Guard treatment.



AC coils & fins treated with Corrosion Guard and exposed to salt spray corrosion testing.

Marine PreTreat™

A Metal Cleaner and Surface Conditioner

Marine PreTreat is formulated using advanced chemistry for superior results. It easily and effectively removes salt, dirt, grime, algae, scale, grease, oil and other contaminants and deposits from all metal surfaces. Marine PreTreat rejuvenates rusted metal by stopping the corroding action and preventing future rust formation by converting iron surfaces to a phosphate coating. Marine PreTreat thoroughly cleans and prepares metal to enable a tight bond between the metal surface and new paint or coatings. The fast acting formulation requires very little dwell time and may be applied by spray, dip, brush or roller applications with excellent coverage rates on any metal surface.

Advantages

- Rejuvenates and cleans rusted and corroded metal surfaces
- Easily removes salt, scale, dirt, algae, grease, oil and other HVAC unit contaminants
- Provides an improved bond between metal surfaces and Corrosion Guard coating
- Helps maintain energy efficiency in HVAC/R units
- Decreases maintenance expenses and replacement part costs
- Significantly extends the life of the metal surfaces

Approved Applications

HVAC/R units, machinery, piping, fences, structural steel, railroad cars, marine vessels, storage tank exteriors, fire escapes, equipment or any metal surface exposed to corrosive environments. Extremely effective on aluminum, galvanized, mild steel and iron.

A Maintenance Tool

Marine PreTreat is great for periodic maintenance of units protected by Corrosion Guard. Marine PreTreat's unique formulation is designed to be compatible with Corrosion Guard and thus will not remove the coating. Periodic maintenance with Marine PreTreat will remove HVAC unit contaminants, increase unit energy efficiency and extend unit life.

Quality Assured

Marine PreTreat removes over 95% of corrosion causing salt deposits on HVAC units. Backed by an extensive amount field testing, Marine PreTreat will yield outstanding results in a wide variety of uses and applications.



Foam Bright

A Nonacid Coil Cleaner & Renovator

Foam Bright is a fast acting, non-fuming, high foaming liquid coil cleaner for evaporator and condensing coils associated with air conditioning or cooling equipment. Foam Bright produces very thick clinging foam for extended contact time that fully renovates and restores dirty coils. Foam Bright is a highly concentrated, industrial strength cleaner that is diluted with water for maximum savings. The advanced chemistry of Foam Bright provides powerful cleaning action that easily removes contaminants and tough deposits from coils, fins and filters without attacking or etching the surfaces. Foam Bright is easy to use, simply dilute to desired strength, spray on and rinse off. Foam Bright greatly improves the efficiency of heat transfer and thus reduces energy consumption and cost.

Advantages

- Non-acid, non-fuming formula penetrates, cleans and reconditions coils
- Superior foaming action produces thick, stable, clinging foam for extended contact time
- Industrial strength for easy removal of deposits and contaminants from coils, fins and filters
- Concentrated formula for maximum economy
- Helps maintain energy efficiency and reduces energy consumption and cost
- Provides an improved bond between metal surfaces and Corrosion Guard coating
- Decreases maintenance expenses and replacement part costs



Coilene

A Self Rinsing Coil Cleaner

A highly concentrated, industrial strength foaming coil cleaner. Coilene makes quick work of restoring high cooling efficiency to air conditioning coils retarded by the insulating build-up of oily dirt, dust, soil and grime that is "glued" to the surfaces of evaporator and condenser coils. Coilene is formulated with a powerful blend of penetrants, surfactants, alkaline grease cutters plus corrosion inhibitors and is safe on all coil alloys and coatings. Coilene is concentrated for maximum economy and labor savings, simply dilute the product on the job site to the desired strength, spray the coils and the job is done. A water rinse is the best practice, but is not needed since Coilene is formulated to be rinsed away with the condensation water that forms on the coils. Works great as a soak for filters too!

Advantages

- Self rinsing formula does not require a final water rinse after application
- Powerful cleaning action easily removes oily dirt, dust, grime and other deposits from coils, fins, and filters
- Concentrated product takes only a few ounces to clean the dirtiest jobs
- Helps maintain energy efficiency and reduces energy consumption and cost
- Provides an improved bond between metal surfaces and Corrosion Guard coating
- Decreases maintenance expenses and replacement part costs



Coil Bright

A Low pH Coil Cleaner

An industrial strength, foaming coil cleaner for evaporating and condensing coils associated with air conditioning or cooling equipment. Concentrated powerful cleaning action easily removes grease, oil, dirt and scale build-ups. Coil Bright renovates and brightens old dull fins and coils and restores them to a bright finish. Coil Bright is easy to use, simply spray on and rinse off. Improves efficiency of heat transfer and thus reduces energy consumption and cost.

Advantages

- Cleans and deodorizes
- Brightens and restores old coils and fins
- Industrial strength formula
- Concentrated formula for maximum economy
- Helps maintain energy efficiency and reduces energy consumption and cost
- Decreases maintenance expenses and replacement part costs



Klean Shield™

An Antimicrobial Coating

Klean Shield is a ready to use, water borne coating that inhibits the growth of bacteria, fungi, mold, mildew and algae by using the latest technology in antimicrobial science. Klean Shield is a semi-permanent coating that leaves an invisible microbiostatic layer that prevents deterioration, odor and staining caused by microorganisms. Klean Shield is highly effective at stopping and preventing "Dirty Sock Syndrome" in HVAC systems, by disinfecting and preventing the growth of the odor producing organisms. Klean Shield effectively encapsulates and neutralizes micro-organisms already present on substrates and prevents the growth of new organisms. The non-toxic, non-polluting, non-flammable and solvent free formulation make it an environmentally safe and friendly product. Klean Shield is unscented and odor-free.

Advantages

- EPA registered disinfectant and antimicrobial coating
- Prevents and stops Dirt Sock Syndrome
- Improves Indoor Air Quality
- Decreases maintenance expenses and replacement part costs

Approved Applications

Air filters, air conditioners, re-circulating air handling systems, humidifiers, carpets, draperies, roofing materials, shingles, roofing granules, wood shakes, felt, stone, fiberglass, porcelain, Formica, stainless steel and synthetic marble and more.

Flo-Tabs™

A Condensate Pan Treatment

Flo-Tabs are a scientifically developed treatment tablet with time controlled dissolving action. Placed in the condensate pan of an air conditioning unit or a large Air Handling Unit (AHU), Flo-Tabs slowly release a powerful cleaning and preservative solution that keeps the pan and drain free of clogging dust, dirt and deposited materials. It removes the organic deposits that encourage bacteria and mold growth and maintains a clean and odor free condition. Maintenance is easy when clogs do not happen.

Advantages

- Flo-Tabs provide continuous protection and cleaning of the condensate system
- Total action tablets dissolve completely – no plastic package remains to clog the drain and cause over flow
- No chlorine or other corrosive chemicals – Flo-Tabs prevent corrosion and protect the condensate system
- Safe on plastic components – Flo-Tabs will not damage the PVC pipes or other plastic components
- Continuous Protection – Flo-Tabs keep through a slow release mechanism that provides constant protection



Approved Applications

Flo-Tabs are ideal for maintenance of the condensate pans in hotels, office buildings, hospitals, schools, churches, restaurants, food preparation areas and even refrigerated food vending machines. Air conditioning service contractors make Flo-Tabs a regular part of their service.

Aerosol Maintenance Solutions

Coilene AE

A Foaming Coil Cleaner

Cleans and deodorizes cooling coils in air conditioners and cooling systems. Ideal for window and roof top units. Keeps units running clean and efficient. No rinse formula reaches all areas of coils. Safe to the environment.

Advantages

- Improves efficiency
- Cleans and deodorizes
- Non-acid and non-caustic
- Heavy duty clinging foam

Pentra 4

A Penetrant, Demoisturant, Lubricant & Rust Preventative

Eliminates moisture when sprayed on electrical parts. Penetrating action frees up nuts and bolts due to rust or corrosion. Instantly stops squeaks in hinges and metal-to-metal contact areas.

Advantages

- Non-flammable and non-conductive
- Quickly penetrates rust
- Displaces moisture
- Prevents corrosion
- Spray anyway with 360° valve

FlexCoat

A Metal Parts Protector

Corrosion inhibiting formula seals out moisture, deadens sound and will not peel off with age. Protects against salt spray, rust and corrosion. Formulated to form a unique flexible coating that will expand and contract with all metal surfaces uniformly.

Advantages

- Provides indoor and outdoor protection
- Will not crack, peel or chip
- Flexible protective film
- Prevents rust

Customer Resources

Your Customer Service and Support Team is here to serve you. To place an order, request further assistance or locate the nearest distributor, please contact us with the information provided below.

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