

**A successful business is all about details.
There are a few hundred million you may have overlooked.**



Introducing coatings with the AgION™ antimicrobial compound

AK Coatings

The world around us is teeming with microbes.

MANY ARE HARMLESS, YET SOME CAN CAUSE SERIOUS ILLNESS
AND DISEASE. OTHERS SUCH AS MOLD AND MILDEW CAN CAUSE
MILLIONS OF DOLLARS IN DAMAGE TO BUILDINGS AND PROPERTY.



Now, people have found a way to fight back.

In recent years there's been a phenomenal demand for antimicrobial products for our homes, schools and businesses. In fact, it's now a \$1 billion a year industry. Consumers can buy antimicrobial hand cleaners, toys, cutting boards and kitchen utensils, even mouthwash and deodorant. But there hasn't been a way for manufacturers of HVAC equipment to take part in this rapidly growing market opportunity.

Until now.



At last. Antimicrobial protection for HVAC equipment.

All of the ductwork in City of Hope's new 144-bed bone marrow transplant facility will be manufactured from AglON antimicrobial-coated steel to support the building's advanced environmental control system.

Now you can offer your HVAC customers a premium product that provides an added measure of cleanliness, thanks to coatings with the AglON™ antimicrobial compound available exclusively from AK Coatings, Inc., a subsidiary of AK Steel Corporation. The AglON antimicrobial compound has been registered by the Environmental Protection Agency as an antimicrobial agent which can resist the growth of bacteria, molds and fungi, and can be applied to components throughout the entire HVAC system, including air handlers, ductwork, and diffusers.

These coatings can also be used on many other carbon and stainless steel products, including commercial refrigeration systems, appliances, and building components. For manufactured HVAC components, coatings are available through authorized shop coaters. Coils of antimicrobial-coated carbon and stainless steel may be purchased directly from AK Coatings, or the coatings may be applied by an authorized coil coater to carbon steel purchased from any manufacturer.

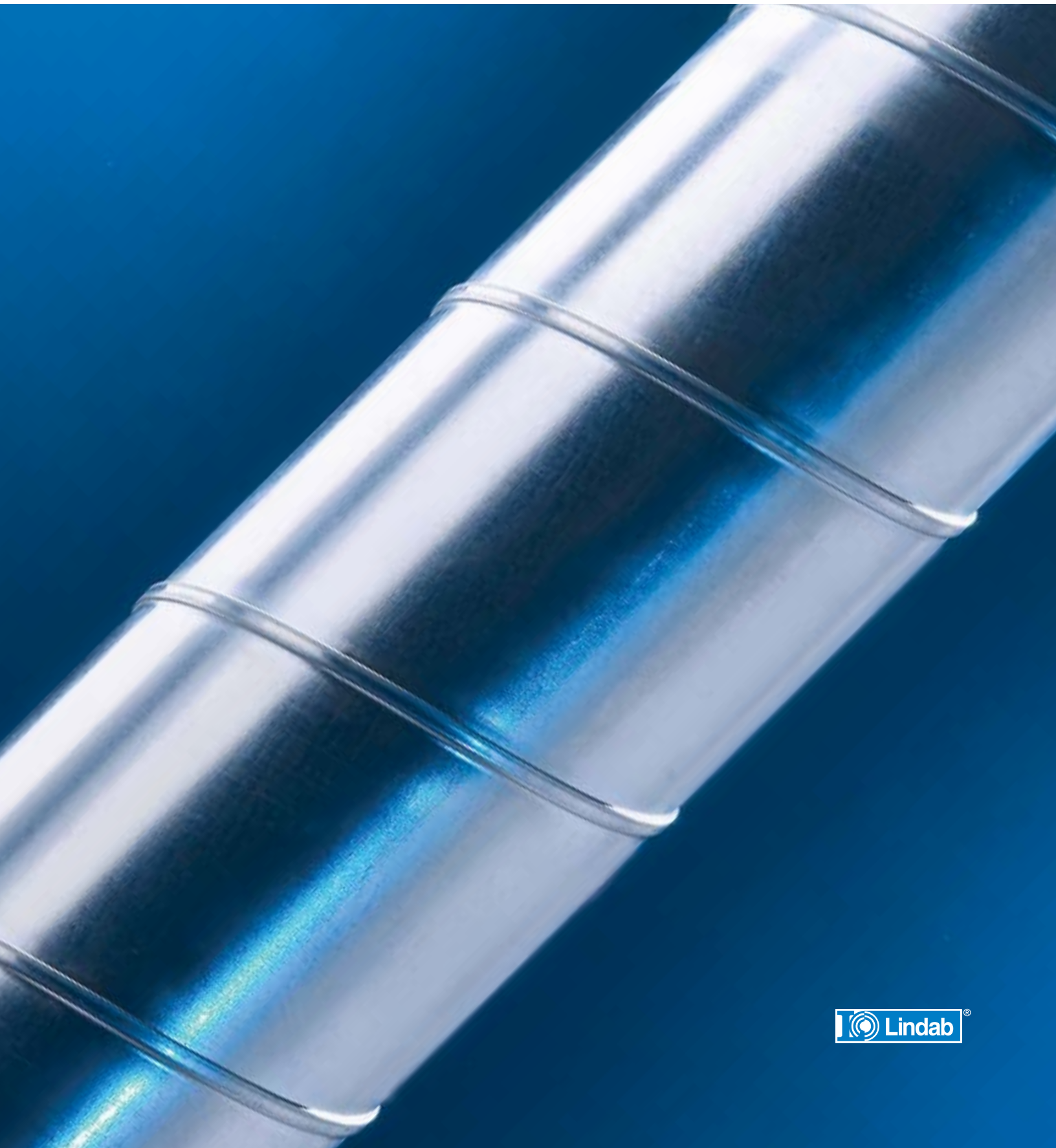




CARRIER'S TOP-OF-THE-LINE 39M AERO AIR HANDLING UNITS OFFER THE ADDED CLEANLINESS PROVIDED BY AK COATING'S AGION ANTIMICROBIAL-COATED STEEL. THE STEEL IS USED AS AN INTEGRAL MATERIAL FOR THEIR PRE-PAINTED STEEL INNER LINER.



LINDAB'S SELF-SEALING SPIRO®+ AGION™ DUCT SYSTEM IS MANUFACTURED FROM AK COATING'S ANTIMICROBIAL-COATED STEEL. IT'S THE ONLY ROUND, NON-RESIDENTIAL DUCTWORK OFFERING THIS UNIQUE COATING TO SUPPRESS THE GROWTH OF MOLD AND MILDEW.



A tremendous opportunity for growth (unless you're a microbe).



Cleanliness is a priority at Woodward Academy in Atlanta, which specified antimicrobial-coated steel for its rectangular ductwork to inhibit the growth of microbes.

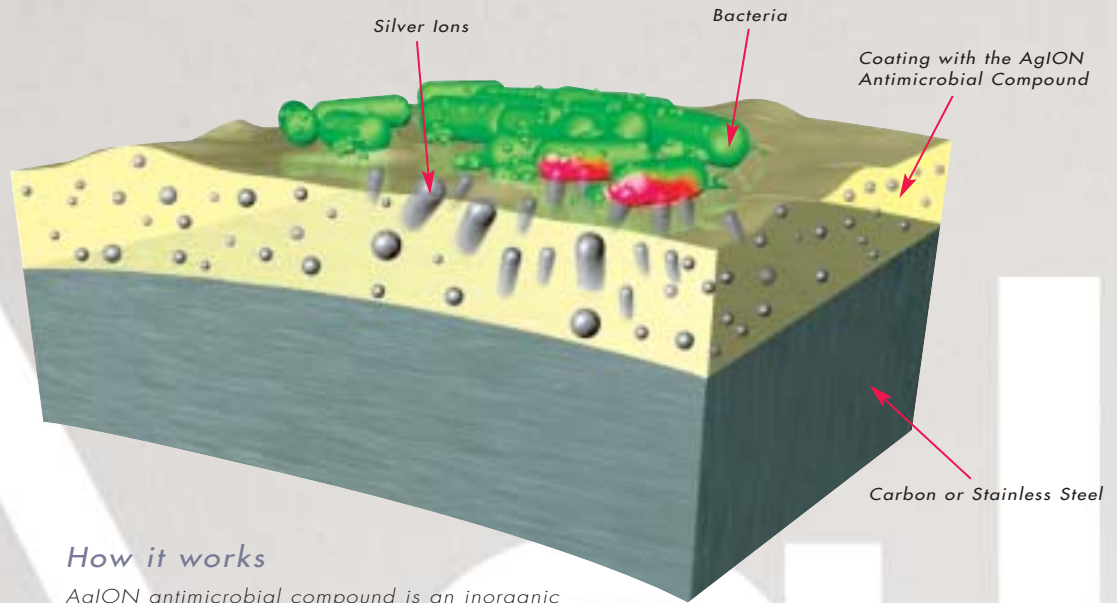
Today, most people are well aware of the importance of cleaner ductwork. After all, they've seen high-profile news stories about homes and schools that were closed or evacuated because of mold and mildew growth. This growth can begin in the moist, dark areas inside an HVAC system, which becomes a breeding ground for potentially destructive microbes such as bacteria, mildew, and molds.

Coatings with the AgION antimicrobial compound suppress the growth of microbes on HVAC components, keeping them cleaner. While the coatings are not meant to replace routine cleaning of these components, they can provide an effective tool in buildings where there is heightened concern about microbial growth, such as hospitals, nursing homes, daycare centers and schools.

HVAC equipment is an important, long-term investment for your customers. That's why they demand products that do double-duty while providing the best value for their money. AgION antimicrobial-coated HVAC equipment provides the added value they want.



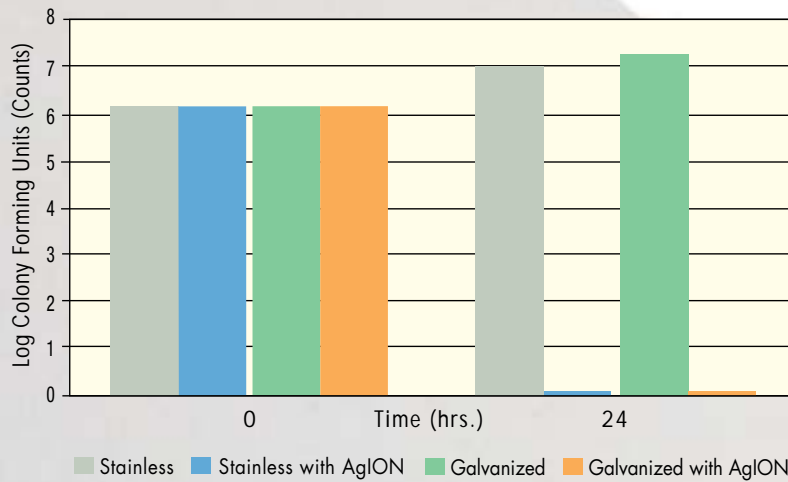
AgION. The inside story.



How it works

AgION antimicrobial compound is an inorganic material whose active ingredient is ionic silver. Encapsulated silver ions are released to the surface of the treated steel where they suppress the growth of destructive microbes.

Antimicrobial effectiveness



After 24 hours, an AgION antimicrobial-coated steel surface shows much less bacteria contamination than an uncoated surface.



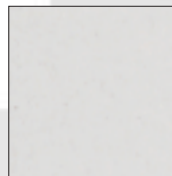
Care and cleaning

AglON antimicrobial-coated steels can be formed, bent or drawn using conventional fabricating procedures. When cleaning, the surface of the antimicrobial-coated steel product should be cleaned with mild detergent and then air-dried. Harsh abrasive cleaners, strong solvents, and acid-based cleaners can cause coating damage.

Registrations and Certifications

The Environmental Protection Agency (EPA) has registered the AglON antimicrobial compound for use in HVAC systems.

Underwriter's Laboratories (UL) has tested antimicrobial-coated galvanized steel using UL Standard 723. Smoke and flame spread from testing was virtually zero.



Clear



Tinted



Pigmented (White)

A choice of coatings

The AglON antimicrobial compound is available in a transparent coating or a tinted coating, and can be applied to one or both sides of the steel. In addition, fully pigmented coatings are available. Shop coatings are available for HVAC applications.

Stands the test of time

The antimicrobial action of the AglON compound maintains its effectiveness over a wide range of temperatures and pH values. AglON antimicrobial-coated steel has completed salt spray testing (ASTM B 117), condensing and humidity testing (ASTM D2247), and water immersion testing (ASTM D870).

AK Coatings will help you develop a test to evaluate the durability of AglON antimicrobial-coated steel in your specific application.





Discover just how strong your steel products can be.

Your customers have never been more eager to enjoy the benefits of antimicrobial-coated products. Now it's easy to respond to that demand by offering HVAC equipment and many other products with coatings containing the AgION antimicrobial compound. It's one detail of your business that can have a tremendous impact on all the rest.

For manufactured HVAC components, coatings with the AgION antimicrobial compound are available to authorized shop coaters. For more information on an authorized coil coater, please call 1-866-456-3712 or visit www.akcoatings.com.

