

## Antimicrobial Protected Furniture Hardware



### **A universal finish coating that inhibits microbial growth adds the value of product protection to the design and quality of Schwinn Hardware.**

Concerns about cleanliness and microorganisms such as bacteria, yeast, fungi, mold and mildew are widespread. In fact over 80% of today's adults share these concerns. To fight a wide range of microbes, silver has been known and used for centuries. It is naturally effective and its efficacy is scientifically well documented. It is "Green." And it is what powers Agion® Antimicrobial. Encapsulated silver ions, slowly released to the surface, fight microorganisms to keep Schwinn AM Antimicrobial Protected Furniture Hardware clean. A highly effective product protection that works around the clock and lasts the lifetime of the finish.

### **Schwinn AM with Performance Finish means triple performance.**

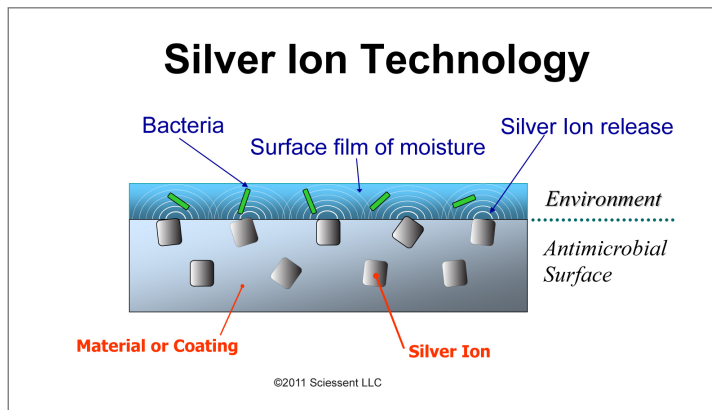
1. Inhibits microbial growth. Anywhere. From doctors' offices to hospitals, kitchens, hospitality, offices or nurseries.
2. Superior corrosion resistance. Ideal for harsh environments like coastal properties.
3. Outstanding chemical resistance. Highest protection against common acidic substances in kitchens (vinegar, lemon juice) and a very broad variety of chemicals.

## Controlling Microbes with Agion

The coating releases silver ions slowly and steadily to the surface of the product. And that's where they interact with microorganisms in three ways that are unique to the Agion technology:

1. Inhibiting respiration in the cell wall
2. Inhibiting cell reproduction
3. Interrupting cell metabolism

Unlike alternatives such as synthetic-based technologies, this tri-modal efficacy reduces the possibility of developing antimicrobial-resistant "superbugs" or strains of bacteria.



## Approvals and Usages

Agion antimicrobial technology has regulatory approval in the USA by the EPA and is listed with the FDA and the NSF. Agion's silver antimicrobial is Cradle to Cradle Certified<sup>CM</sup> for its material content, recyclability, and manufacturing characteristics. Agion has been used for over two decades in various environments including healthcare and in products ranging from HVAC to footwear.



Agion has achieved:



Agion's silver antimicrobial has been certified for its material content, recyclability, and manufacturing characteristics. Cradle To Cradle Certified<sup>CM</sup> products meet established standards for human health, environmental health and recyclability.

Cradle To Cradle Certified<sup>CM</sup> is a certification mark of MBDC.

## Applications

Offices, Home Offices, Kitchens, Hotels, Bathrooms, Public Buildings, Health Care, Labs, Restaurants, Day Care, Schools, Universities.

## Protection Beyond Microbes

The coating for Schwinn AM is an American made powder coating by Diamond Vogel®. It is tested to resist over 1000 hours of salt spray (ASTM-B117), over 1000 hours of humidity (ASTM-D2247) and withstands a pencil of 2H+ that is moved under pressure across the surface at a 45 degree angle without a scratch. (ASTM D3363). It has also been tested for its chemical resistance (ASTM D1308) as well as its adhesion (ASTM D2794, D3359, D522). All with excellent results. (Detailed data available upon request.)

For additional information on Schwinn AM Antimicrobial Protected Furniture Hardware please contact Schwinn Hardware at [sales@schwinnhardware.com](mailto:sales@schwinnhardware.com). For more information on Agion please visit the Agion web site [www.sciessent.com](http://www.sciessent.com). Detailed information on Cradle to Cradle Certification can be found at [www.mbd.com](http://www.mbd.com).

The Agion Antimicrobial is not intended as a substitute to good hygiene. It does not protect users or others against disease-causing bacteria. Coated products must still be cleaned to insure the surfaces will be free of destructive microbes. Schwinn Hardware makes no representations or warranties, expressed or implied as to the efficacy of the Agion Antimicrobial. Agion is a registered trademark of Sciessent LLC, Beverly, MA, USA. Cradle to Cradle (CM) is a certification mark of MBDC. DiamondVogel is a registered trademark of Diamond Vogel Paint Company, Orange City, IA.