

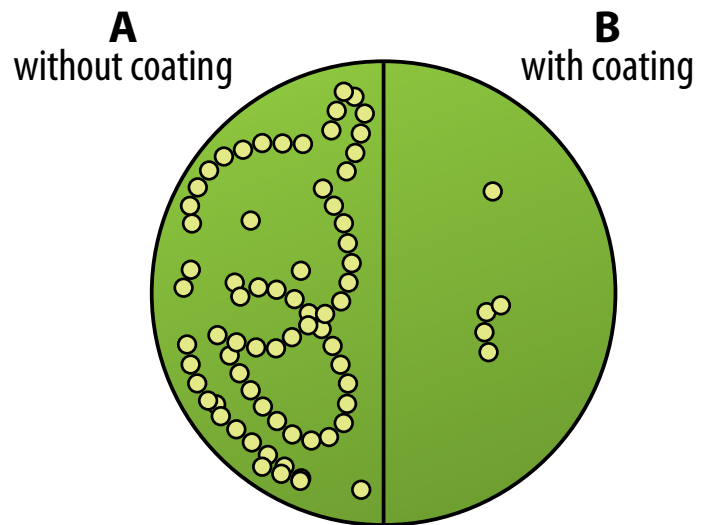
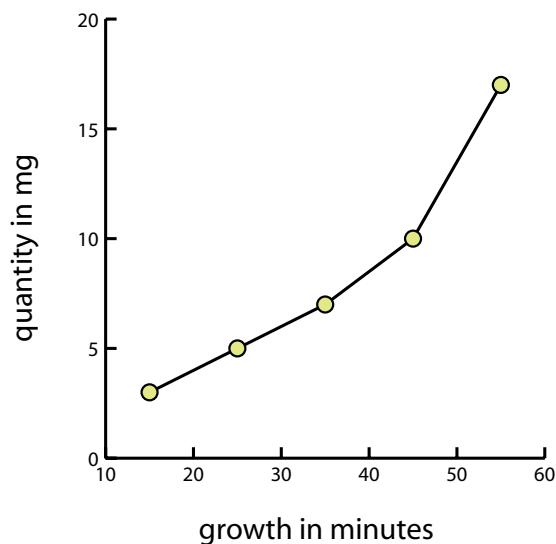
Antimicrobial Solutions

How, where and why to choose antimicrobial coated door hardware.

How does the antimicrobial surface work?

For bacteria to grow, its cells must be able to form new protoplasm from nutrients available in the environment. The vast majority of bacteria are rendered harmless by the human immune system, but a few are responsible for infectious disease.

The antimicrobial coating is specially formulated to inhibit the growth of bacteria by interrupting cell multiplication. That's because the coating is made using ionic silver (AG+), a single atom that is missing one orbital electron which interacts with the bonding sites on the microbe surface. The result is that the silver ions surround bacterial cells, blockading food and slowing the growth of bacteria, mold and mildew.



Bacterial growth within one hour of contact.

Bacteria divide and grow geometrically, reproducing rapidly even within the first 15 minutes after contact.

Comparison of bacterial growth on metal surfaces.

When compared to standard hardware finishes (A), the silver ion coating inhibits the multiplication of bacteria on the coated surface (B).

Antimicrobial coatings are not a substitute for good hygiene and regular cleaning of the products. Ingersoll Rand makes no representations or guarantees, express or implied, as to the efficacy of the antimicrobial coating.



VON DUPRIN®



Von Duprin exit and panic devices

GLYNN-JOHNSON®



Glynn-Johnson push/pull levers

IVES®



Ives door accessories

SCHLAGE®



Schlage levers and locks



Schlage biometric readers

What antimicrobial products does Ingersoll Rand offer?

Ingersoll Rand offers a wide range of products that feature our active antimicrobial coating. A choice of styles, functions and finishes ensures you'll find hardware that fits your building use and design.



Look for this symbol in our product catalogs. It means you are getting the benefits of antimicrobial coating on Ingersoll Rand products.

Where are the best applications for this type of hardware?

High traffic, public use buildings are ideally suited to antimicrobial coated door hardware simply because they may have hundreds of people going in and out every day. Adding door hardware with an antimicrobial coating can make a big difference by inhibiting the growth of bacteria on hardware surfaces.

Applications where antimicrobial coated hardware makes sense include: **Healthcare** • **Education** • **Food Service**

Contact your local Safety and Security Consultant for more information or visit www.securitytechnologies.ingersollrand.com





Ingersoll Rand's Security Technologies Sector is a leading global provider of products and services that make environments safe, secure and productive. The Sector's market-leading products include electronic and bio metric access control systems; time and attendance and personnel scheduling systems; mechanical locks and portable security, door closers and exit devices, steel doors and frames, architectural hardware and technologies and services for global security markets.

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