



ASSA ABLOY MicroShield®



A new innovative finish coating that delivers protection against a broad range of bacteria and microbes. MicroShield uses Agion Technologies' silver ion based antimicrobial agent to produce this new protective finish that suppresses the growth of bacteria, algae, yeast, fungi, mold and mildew on the surface of the finished product.



If a door or frame with MicroShield is scratched, will the treated surface still be protected?

A scratch through the coating will not adversely impact MicroShield's efficacy.

How does it work? Is it safe?

The Agion antimicrobial compound is an inorganic material with the natural protection of silver.

Encapsulated silver ions are slowly released from the antimicrobial compound to the treated surface where they interact with microorganisms on the surface of the product. This produces an effective shield and has been proven to be successful in controlling the spread of numerous strains of bacteria, including MRSA.

The technology has been tested and proven to be safe and non-toxic. It has also been EPA registered, NSF certified, and is even FDA listed for use in medical and food preparation equipment.

These products are ideal for installation in hospitals, assisted living, daycare, offices, schools where vigilance in the war against bacteria and mold is critical.



The silver ions contained within the antimicrobial compound can still diffuse and migrate to the bacteria or microbes within the scratch. The active silver can "bridge" the gap. Wide scratch patterns may reduce the amount of antimicrobial product available to inhibit the growth of microbes.

The MicroShield coating is permanent under normal wear and tear. The antimicrobial effect can not be rubbed or washed off, even with harsh chemical cleaners. This makes it the perfect solution for schools and hospitals.