

AMSR™ Frequently Asked Questions

What is AMSR™?

AMSR™ is a coating for metal that contains compounds that suppress the growth of certain bacteria, molds, mildews, and fungi on the coating. Applied to metal either before or after parts are made, the coating contains compounds developed by a leading antimicrobial developer and manufacturer.

What type of antimicrobial protection does it provide?

Simply put, antimicrobial protection means that AMSR™ inhibits the growth of bacteria and a range of other microorganisms that can cause odors, staining, deterioration, corrosion and contamination.

Why should you incorporate AMSR™ into your product line?

AMSR™ reduces odors and promotes freshness by attacking the very source of a universal problem - bacteria, fungi, and other microorganisms on the coating. This long-lasting treatment is used in many ways to enhance product performance and address consumer concerns on matters of environmental freshness. Furthermore, AMSR™ can withstand flowing water and is fingerprint resistant, which gives the metal a cleaner, more alluring look.

How does it work?

Our coatings contain compounds, that work similar to the way chlorine works. When bacteria appear on the surface of the coating, the compounds make contact with the bacteria and disrupt the bacteria's attempt to live and remain comfortable. Instead of continuing to grow, the bacteria will not grow, and after a short period of time, the bacteria can no longer be measured by standard laboratory equipment.

How long will the coating last?

The coatings, when applied correctly, should remain on the base metal for the useful life of the metal product. Since the coating is non-sacrificial as long as the coating remains on the base metal, the compound should remain in effect.

AMSR™ is not intended as a substitute for good hygiene or to prevent foodborne or infectious illnesses. For more information, please contact factory.

AMSR™ Antimicrobial Efficiency Test

Bacteria Test

New York State — Quantitative Assessment of Bacterial Activity

Specimen	Contact Time	Number of Microorganisms Recovered (Initial Count 123,000)
Sample Control Coated Steel	24 Hours	576,000
AMSR™ Coated Steel	24 Hours	<1,000

Fungal Test

Dried Film Test (ASTM G 21-96) — Quantitative Assessment of Fungal Activity

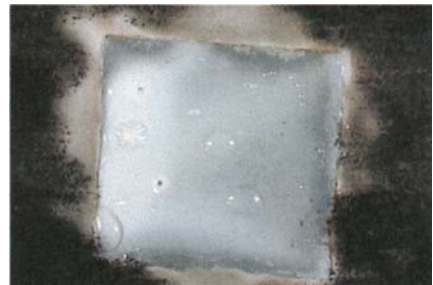
Specimen	Contact Time	Fungal Growth
Sample Control Coated Steel	28 Days	Yes
AMSR™ Coated Steel	28 Days	No

Sample Control Coated Steel



Fungal Growth
Rust Formation

AMSR Coated Steel



No Fungal Growth
No Rust Formation

*Formulated with antimicrobials to help suppress the growth of odor and stain causing microorganisms on the coating. AMSR™ is not intended as a substitute for good hygiene or to prevent foodborne or infectious illnesses.