



## Antimicrobial Surface Coating (AM)

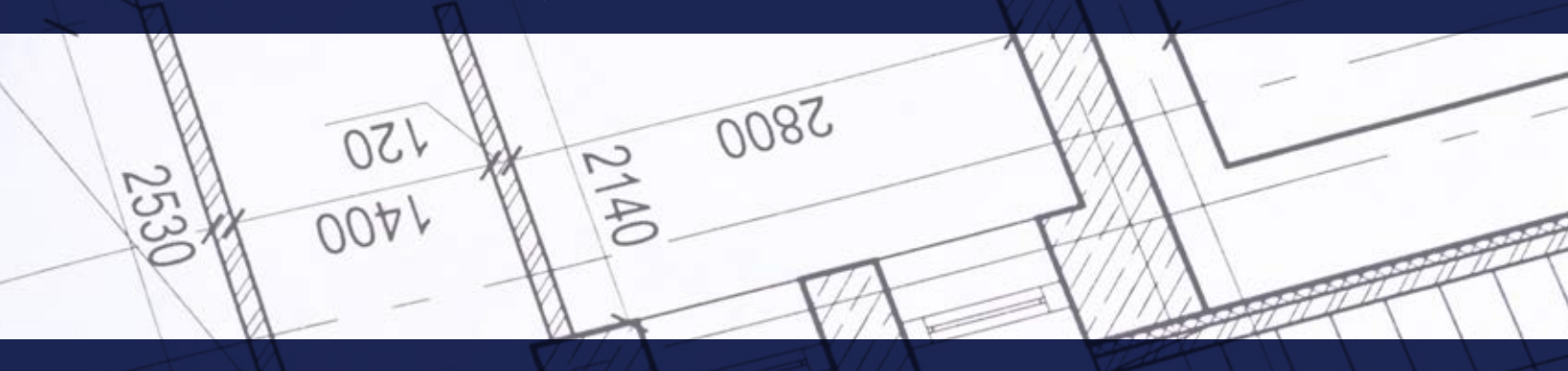
- Bacteria, mold, and mildew are ubiquitous in the environment and can collect on any hardware surface, contributing to the development and spread of infectious disease. The human immune system works to attack these microbes in order to minimize their effects however; there are strains that are emerging which have shown to resist the immune response. Antimicrobial protective coatings use silver ions in order to inhibit the growth of microbes on hardware surfaces, thereby minimizing their deleterious effects.
- The coating process used for the antimicrobial surfaces, known as roll coating is harder and more effective than powder coating processes as it yields a hardness of 2H pencil whereas powder coating yields a hardness of only B-HB pencil.
- The agion coating itself is an inorganic material known as a zeolite matrix and is safe, non-toxic, and has shown to inhibit the growth of microbes in studies.
- The antimicrobial coatings are available for 18 and 20 gauge, type 304, stainless steel, 32D finish protection plates which can be applied with Screws or Tape.
- The mill application process of the antimicrobial coating ensures a long lasting efficacy under normal wear and tear conditions.

## Specification Points

- The protection plates must be 18 or 20 gauge, Type 304, 32D finish (number 4)
- The silver ion coating must be mill applied in order for the zeolite matrix to provide continuous release for maximum antimicrobial protection
- Roll coating technology at a coil coating facility must be used in order for the coating hardness to be 2H pencil
- The uniformed thickness of the coating must read at 0.1 – 0.2 mills
- Must have approval from EPA, FDA, and NSF agencies

### Education





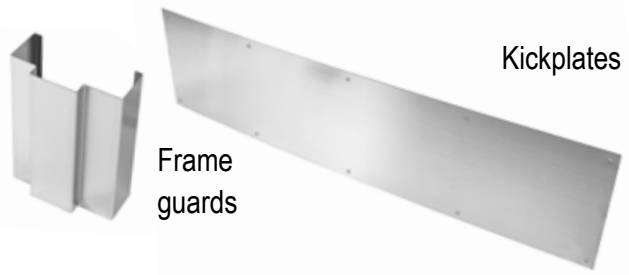
Healthcare

## Antimicrobial Surface Coating

Prevents the spread of harmful pathogens  
Mill applied and long lasting – Use suffix ‘AM’ when ordering



Along with proper hygiene practices, antimicrobial protection works to minimize the spread of infection



Frame guards

Kickplates



Edge guards

Edge Guards with cut outs

Push plates