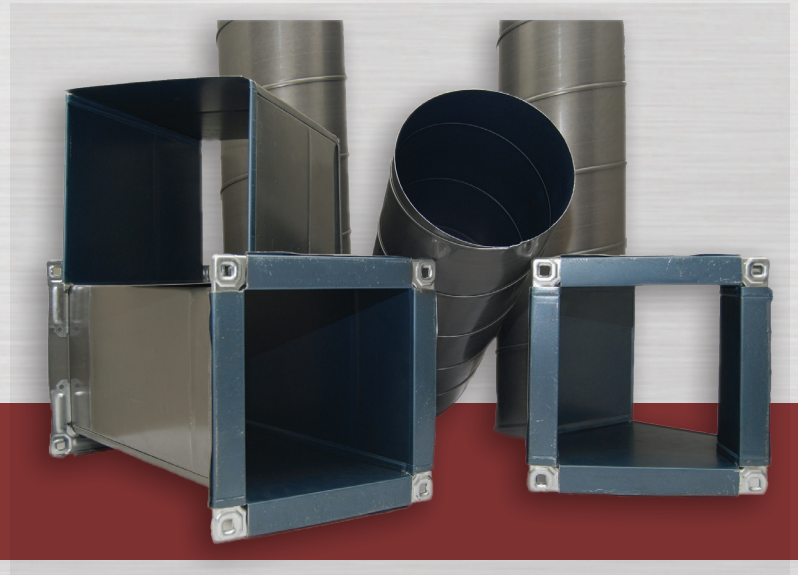


## Field to Factory Direct Communication

*Manufacturing and Supplying Sheet Metal Duct  
and HVAC Products since 2004*



## Agion® Anti-Microbial

### What is Agion® Anti-Microbial:

Agion® Anti-Microbial is an epoxy coating that contains silver ions. Standard Agion® epoxy treatment includes one side coated with Agion® Antimicrobial technology and the reverse side coated with clear epoxy treatment. The silver ions suppress any microbial or bacterial growth on the inside of the duct. Unlike chemical-based coatings that dissipate over a period of time, elemental silver maintains its effectiveness over many years.

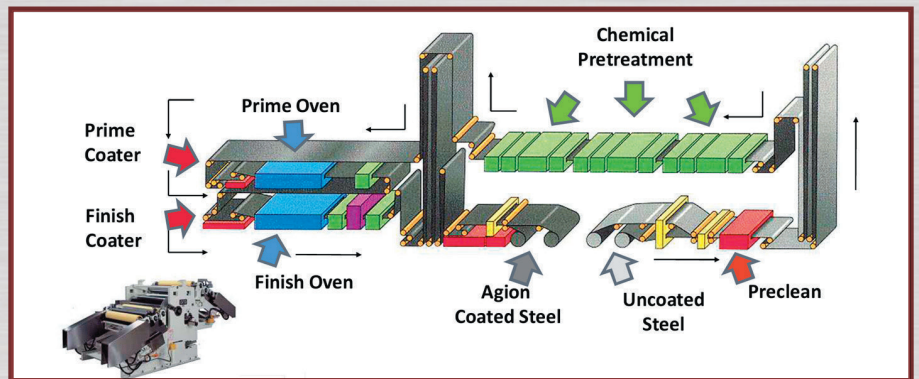


Figure 1 displays the production process of Agion®

**How it Works:** Once Agion® coated HVAC duct is installed, anytime microbes land on the coated surface, an ionic exchange occurs therefore suppressing possible growth.

### Agion® Anti-Microbial vs. Stainless Steel

- Able to withstand some staining whereas stainless is affected (based on laboratory data).
- Milder than stainless and easier on shop equipment
- More economical than stainless steel
- Domestically produced, much of stainless used today is imported from overseas
- Suppresses the growth of molds, mildews, and microbes whereas stainless allows microbial growth

### Applications:

Laboratories, Clean Rooms, Pharmaceuticals, Institutions, Food Processing Plants, Health Care

**AGION® ANTIMICROBIAL-TREATED STEEL PAINT SPECIFICATION**

CHARACTERISTIC	COIL-COATED PAINT SYSTEM
Coating type	Solvent-based epoxy
Surface preparation	None
Coating application	Roll-coating technology at coil-coating facility
Coating thickness	0.1 to 0.2 mils (uniform)
Coating cure time	None
Coating hardness	2H min
Temperature limits	0 to 350°F
Coating VOC off-gassing	Negligible
Flame and smoke spread UL Standard 723 (ASTM E84)	Essentially zero
Agency approvals	EPA, FDA, NFS (Agion® compound)