



# Alesta<sup>®</sup> AM

## Antimicrobial Powder Coatings



# Alesta® AM

## Antimicrobial-Treated Powder Coatings

Alesta AM is a patented\* powder coating treated with silver zinc zeolite antimicrobial technology that is known to inhibit the growth of microbes on powder coated surfaces.

\*Patents US6093407(A), US6432416(B1)

### Features & Benefits

Available in a variety of chemistries, including epoxy, hybrid, and polyester (premium weathering and low cure formulations)

- Available in a full range of colors, textures, and glosses
- Active ingredient silver zinc zeolite antimicrobial technology designed to protect powder coatings

### Ideal Applications

These coatings provide corrosion protection that is ideal for hospitals, public transit, restaurants, park and playground structures, medical equipment, water treatment plants, food service packaging equipment, pharmaceutical labs, and school and child care facilities. These particular applications have the ability to expose powder coatings to harmful microbes, negatively affecting the product.



### Important Notes

Some Alesta AM powder coatings can be formulated to meet:

- FDA guidelines under the Federal Code of Regulations, Title 21, Section 175.300; Resinous and Polymeric Coatings
- NSF/ANSI Standard 51 for food equipment materials

Axalta makes no public health claims in connection with its Alesta-AM products. Antimicrobial protection is limited to the coating itself, and does not protect against disease-causing bacteria, viruses, germs, or other disease-causing organisms.

### Alesta® AM Offering

1-Stock Colors. We offer two antimicrobial-treated powders from our stock product line

2- Alesta RALGuard Combine this additive to your Alesta RAL products to incorporate antimicrobial properties.

3- Custom formulations. Talk to your local sales representative regarding custom formulations to fit your exact needs for antimicrobial powders.

Product Name	Product Code
Sky White AM	PFW669S8A
Crystal Clear AM	PFC609S9A
RAL GUARD	XX1006

## Technical information

### Why is silver-based antimicrobial additives for powder coatings?

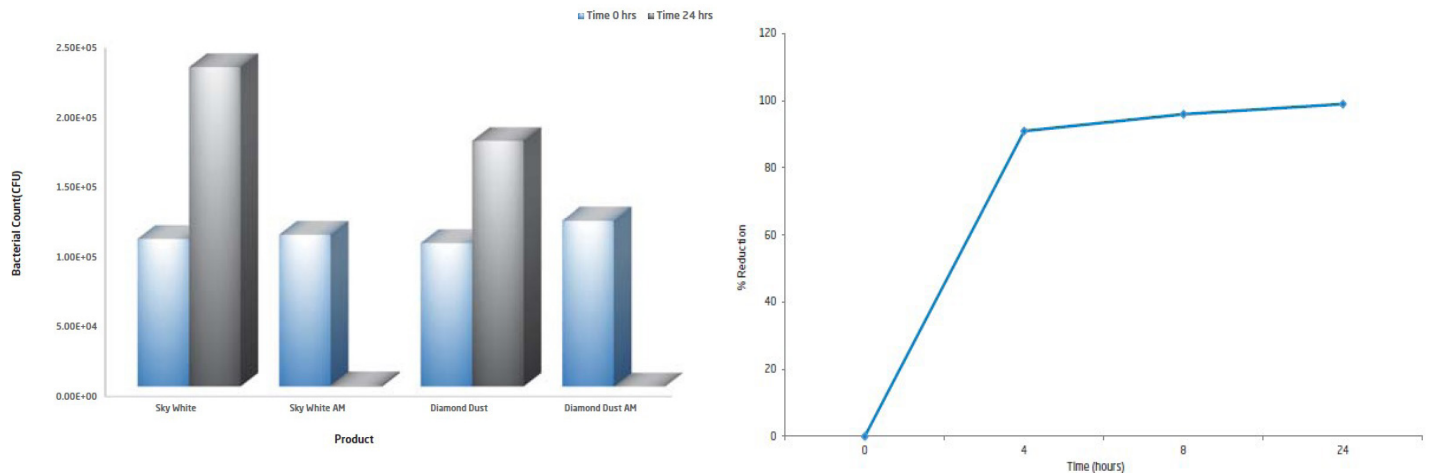
Silver is a naturally occurring element proven effective at inhibiting the growth of many types of microbes. Historical data shows that silver exhibits very low toxicity for humans and animals. Silver is highly regarded for its antimicrobial properties and has the benefit of protecting the coating better than repeated cleaning with alcohol, chlorine, or ammonium-based antimicrobials.

The use of bleach type cleaners on our antimicrobial treated coatings should be avoided due to the rapid depletion of the antimicrobial agent when exposed to these types of compounds. We recommend a mild detergent and water solution.

### How does it work?

Moisture causes a controlled release of silver ions embedded in the special silver-containing zeolite. Silver ion interferes with the bacteria cell membranes to inhibit respiration and growth.

### Antimicrobial Efficacy within 24 Hours\*



Antimicrobial Activity Data\* of Alesta AM White Polyester.

\* Using modified JIS Z 2801:2000 Antimicrobial Products- Test for antimicro activity and efficacy (modified for improved testing variation)

\*\* R value as defined by JIS Z 2801:2000

\*\*\* 1 cycle= 2 hours continuous agitation in 0.2% Ivory Liquid soap solution.

Model Wash Solution	Model Exposure Solution	
Detergent	Synthetic Sweat	Diluted Nutrient Broth
0.2% Ivory® Dish Soap	Lactic acid, urea, and NaCl	Peptone, beef extract

Contact Axalta Coating Systems  
Powder Coatings North America Customer Service  
for more information or to place an order.

In the U.S., call 1-800-247-3886 or email  
[info.powder@axaltacs.com](mailto:info.powder@axaltacs.com)

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