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# PCTA89279

## SILVERSAN™ Powder Coat

### Highlights

PPG SilverSan™ antimicrobial-protected powder coatings are specially formulated with silver\* ionic technology. SilverSan powder coating slowly releases silver ions, which are known to inhibit the growth of bacteria on powder-coated surfaces.

In research and development since 2001 – and a proven product in the marketplace since 2007 – SilverSan powder coating with silver ionic technology is engineered for use on fitness equipment, metal furniture, home appliances, restroom accessories, air conditioning /air vents, building materials, and laboratory equipment.

\*Silver is a registered pesticide with the U.S. Environmental Protection Agency (EPA), which states that pesticides are used to prevent, destroy, repel or mitigate any pest ranging from insects and animals and weeds to microorganisms such as fungi, bacteria and viruses.

Antimicrobial is limited to the treated surface to provide mold and mildew resistance on the paint film and to inhibit the growth of stain and order-causing bacteria that may affect the surface of the coating. The use of these products does not protect users of any such treated article or others against food-borne or disease-causing bacteria, viruses, germs or other disease-causing organisms.

### Product Features

Available in a wide range of colors and glosses

Excellent Exterior durability

Good chemical resistance



### Technical Properties

| Property          | Test Method | Value                                                  |
|-------------------|-------------|--------------------------------------------------------|
| Color             |             | NEW STAR WHITE A.B.P                                   |
| Appearance        |             | Smooth                                                 |
| Gloss             | ASTM D-523  | 80 Minimum @ 60°                                       |
| Adhesion          | ASTM D-3359 | 100% (5B Pass)                                         |
| Hardness          | ASTM D-3363 | 2H Pencil (Eagle)                                      |
| Impact Resistance | ASTM D-2794 | 100 In.-lbs. Direct                                    |
| Conical Mandrel   | ASTM D-522  | 1/8" Mandrel<br>- No Cracking                          |
| Salt Spray        | ASTM B-117  | 1000 Hrs. Pass<br><1/8" Scribe Creep<br>- No Blisters  |
| Humidity          | ASTM D-1735 | 1000 Hrs. Pass<br><1/16" Scribe Creep<br>- No Blisters |

*Film Properties were determined using 2.5 - 3.5 mils powder film over iron phosphated, chrome rinse pretreated, 22 gauge, unpolished cold rolled steel test panels.*

### Application Data

|                                                   |                                                                  |
|---------------------------------------------------|------------------------------------------------------------------|
| Application Type:                                 | Electrostatic Spray                                              |
| Recommended Bake:                                 | 10 Minutes at 400 °F Metal Temperature<br>See Cure Curve PCT-001 |
| Specific Gravity:                                 | 1.55 ± .05                                                       |
| Theoretical Coverage:                             | 124 Sq. Ft. per pound at 1.0 mil                                 |
| Shelf Life from Date of Manufacture (@40-60% RH): | 80 °F Maximum - 12 Months                                        |

*PPG recommends that all material be used in FIFO order (first in - first out).  
Materials that exceed the recommended shelf life should be tested prior to use.*

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