



Antimicrobial Tuscan Matte Black ASMB24398X

Description: *ASMB24398X, Antimicrobial Tuscan Matte Black* is a thermosetting powder coating based on a Antimicrobial Polyurethane resin/binder system, which is designed for interior or exterior applications. Antimicrobial Powder Coatings are designed to inhibit the growth and transmission of harmful microbes on powder coated surfaces.

Typical Applications: Hospitals, public transit, restaurants, park and playground structures, medical equipment, water treatment plants, food service packaging equipment, pharmaceutical labs, school, and child care facilities.

Typical Physical Properties:	Film Thickness (ASTM D)	2.0 - 3.0 mil
	Gloss 60°angle (ASTM D-523-89)	0 - 10+%
	Hardness (ASTM D-3363-92A)	2H
	Flexibility (ASTM D-1737-89)	1/8 inch
	Adhesion (ASTM D-3359-95A)	5b (100%)
	Impact Direct/Indirect (ASTM D-2794-93)	160/160 inch-lb.
	Exterior Durability	Good
	Salt Spray (ASTM B117)	2,000Hrs+ < 3mm
	Specific Gravity	1.33±0.03

Why silver-based antimicrobial 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 many benefits over alcohol-, chlorine-, or ammonium based antimicrobials.

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

Application Data: *ASMB24398X, Antimicrobial Tuscan Matte Black* is to be applied with a corona electrostatic powder spray gun at between 60kv – 100 kV.

Cure Schedules: *ASMB24398X, Antimicrobial Tuscan Matte Black* can be cured in a direct or indirect gas convection oven, an electric oven, or an Infra-red. A combination of any of these ovens is also suitable.

Standard Cure: 10 Minutes @ 400°F Peak Metal Temperature

Storage: Product should be stored at temperatures below 80^of, in a dry area away from any heat source.

Notes:

Please refer to the MSDS for safety information.

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