



sterilcoat AM[®]
ANTIMICROBIAL Powder Coatings

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Looking for germs??



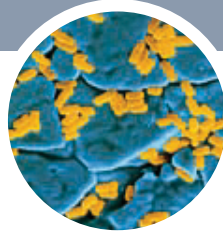
...they're all gone.

SterilcoatAM[®] Antimicrobial Powder Coatings



PROTECH
— GROUP —

Fact



Even in the cleanest of environments, bacteria will begin to multiply on surfaces in-between cleaning.

To complement cleaning practices, SterilCoat® reduces levels of harmful bacteria on surfaces by up to

99.9%

over a 24-hour period, with rapid reduction of up to 80% over a 2 hour period.



Antibacterial Powder Coatings



SterilcoatAM® is Protech's line of anti-microbial powder coatings that prevents the spread of dangerous micro-organisms and suppresses the growth of mold, bacteria, yeast and mildew. Independent laboratory results show an almost complete elimination in microbial populations on surfaces coated with SterilcoatAM®. These powders are formulated using silver ions, the most powerful and long lasting natural anti-microbial agent known. Even under humid conditions, a potentially dangerous scenario for increased microbial activity, the silver ions in the powders will release slowly, providing increased and long-term protection. Frequent washings of a SterilcoatAM® finished surface will not reduce the powder's anti-bacterial properties. SterilcoatAM® powders are extremely durable and demonstrate outstanding chemical and stain resistance. They are available in a wide range of colors and textures and can be formulated in any chemistry. SterilcoatAM® is the ideal application for hand rails, fitness equipment, bathroom partitions, hospital equipment and any other surface that may breed harmful bacteria.

ADVANTAGES



- Significantly reduces microbial activity
- Inhibits the growth of dangerous bacteria, mold, mildew and fungi
- Provides protection over an extended period of time
- Reacts to an increase in humidity by releasing more silver ions
- Retains anti-microbial properties even after repeated washings
- Can be formulated for exterior durability
- Superior chemical, stain, and scratch resistance
- Outstanding durability
- Available in a wide range of colors and textures
- Environmentally friendly



Sterilcoat Test Results #2

Test Method: ASTM E 2180-01

<u>Powder/Bacterium</u>	Number of Bacteria; Colony Forming Units			
	0 hours (start)	after 2 hours	after 8 hours	after 24 hours
PS111W2 (control) Escherichia Coli ATCC # 8739	130 000	220 000	1 300 000	2 800 000
PS111W2 <i>Sterilcoat</i> Escherichia Coli ATCC # 8739	130 000	85 000	170	< 20
PS111W2 (control) Staphylococcus aureus ATCC #6538	150 000	200 000	290 000	450 000
PS111W2 <i>Sterilcoat</i> Staphylococcus aureus ATCC #6538	150 000	63 000	62 000	< 20
PS111W2 (control) Pseudomonas aeruginosa ATCC #15442	4 700 000	5 000 000	65 000 000	26 000 000
PS111W2 <i>Sterilcoat</i> Pseudomonas aeruginosa ATCC#15442	4 700 000	840 000	< 20	< 20

**All testing performed at Biosan Laboratories Inc MI*



Sterilcoat Test Results

Test Method: JIS Z 2801

Bacterium	Number of Living Bacteria	Number of Living Bacteria
Escherichia coli NBRC 3972	Start	After 24 hours
PX622W340 (conventional)	380,000	27,000,000
PC17651 (Sterilcoat AM)	380,000	< 100
PC17651 (after 5 washings)	380,000	< 100
Staphylococcus aureus NBRC 12732	Start	After 24 hours
PX622W340 (conventional)	380,000	1,100,000
PC17651 (Sterilcoat AM)	380,000	< 100
PC17651 (after 5 washings)	380,000	< 100
NOTE: Results were repeated using five different chemical versions of Sterilcoat AM.		

**All testing performed at Biosan Laboratories*



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